

FIG. 1

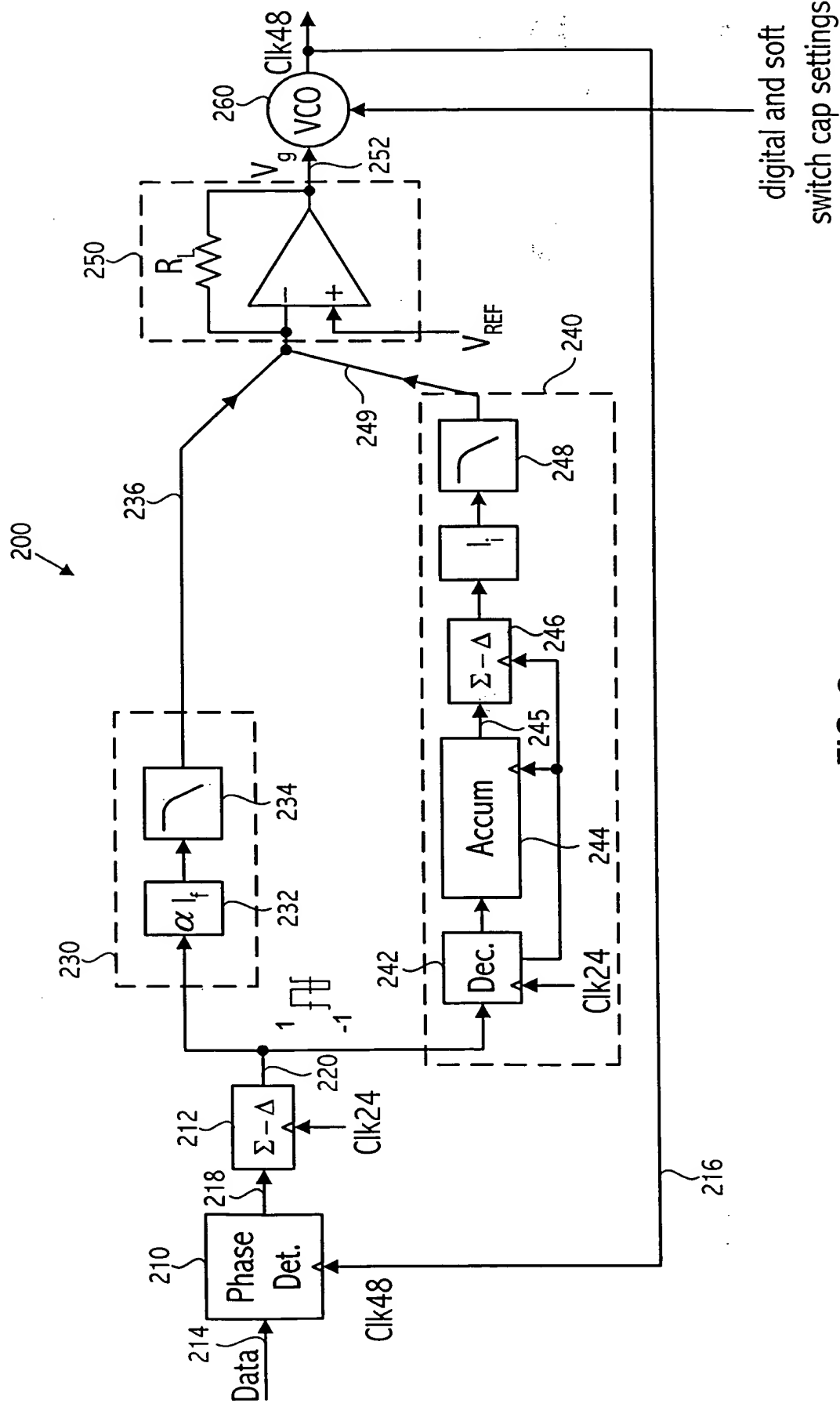


FIG. 2

202

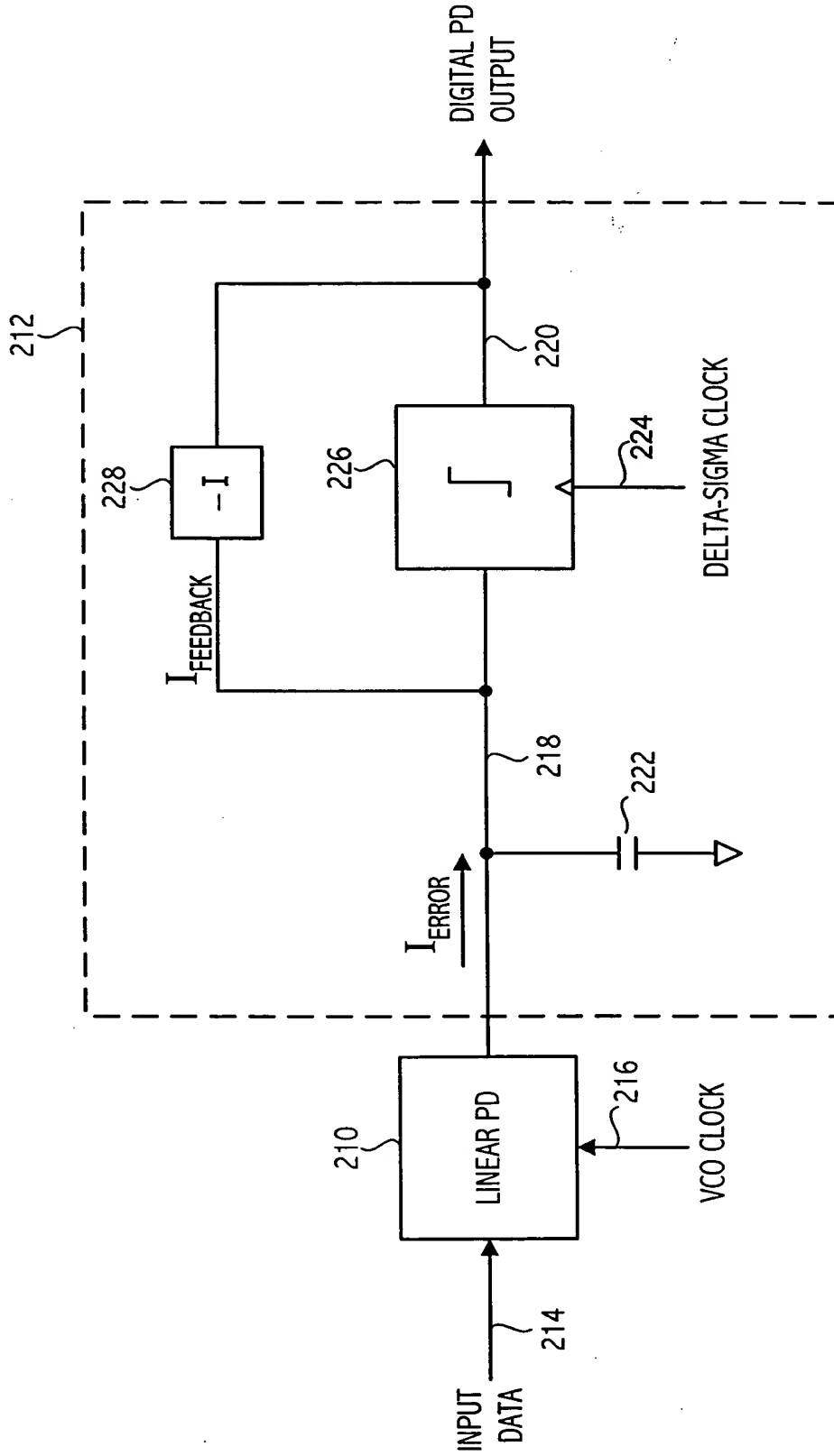


FIG. 3

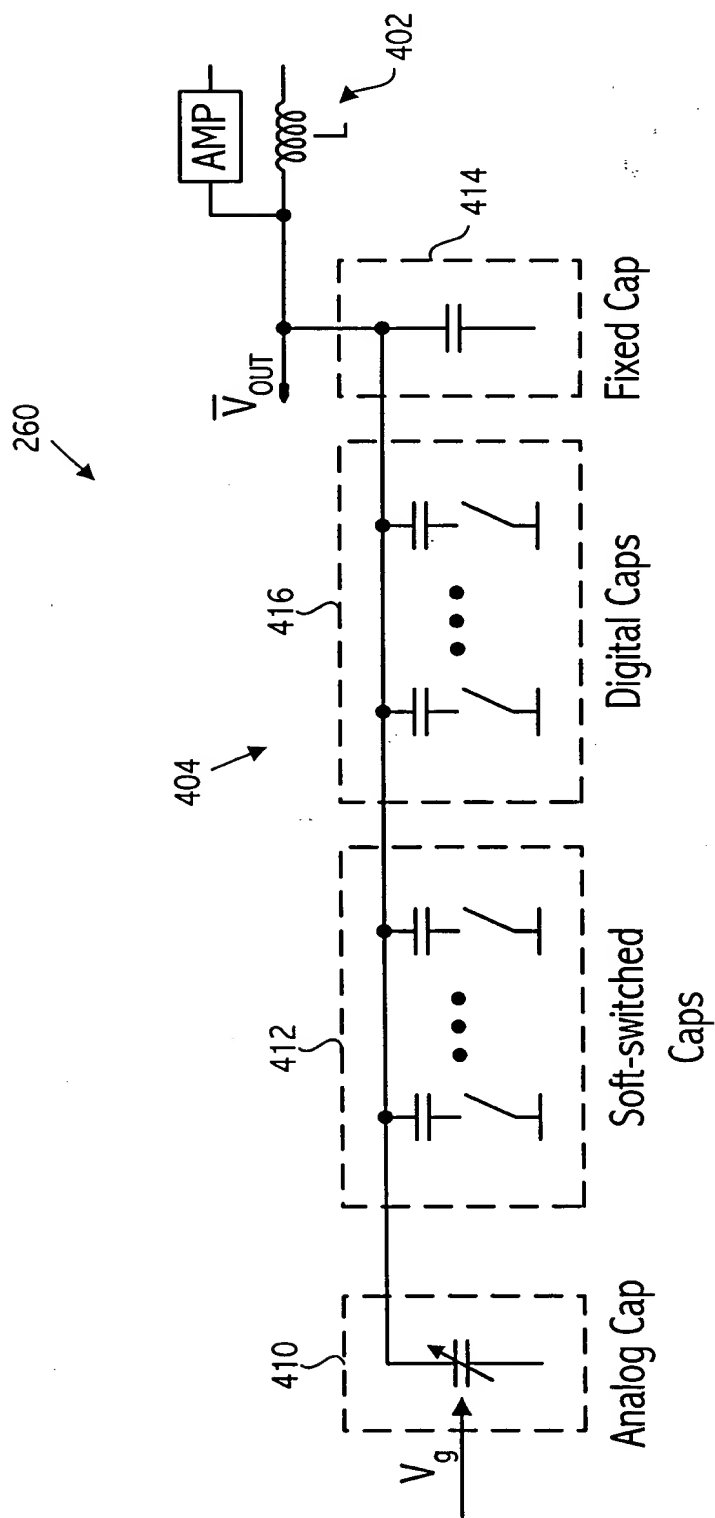


FIG. 4A

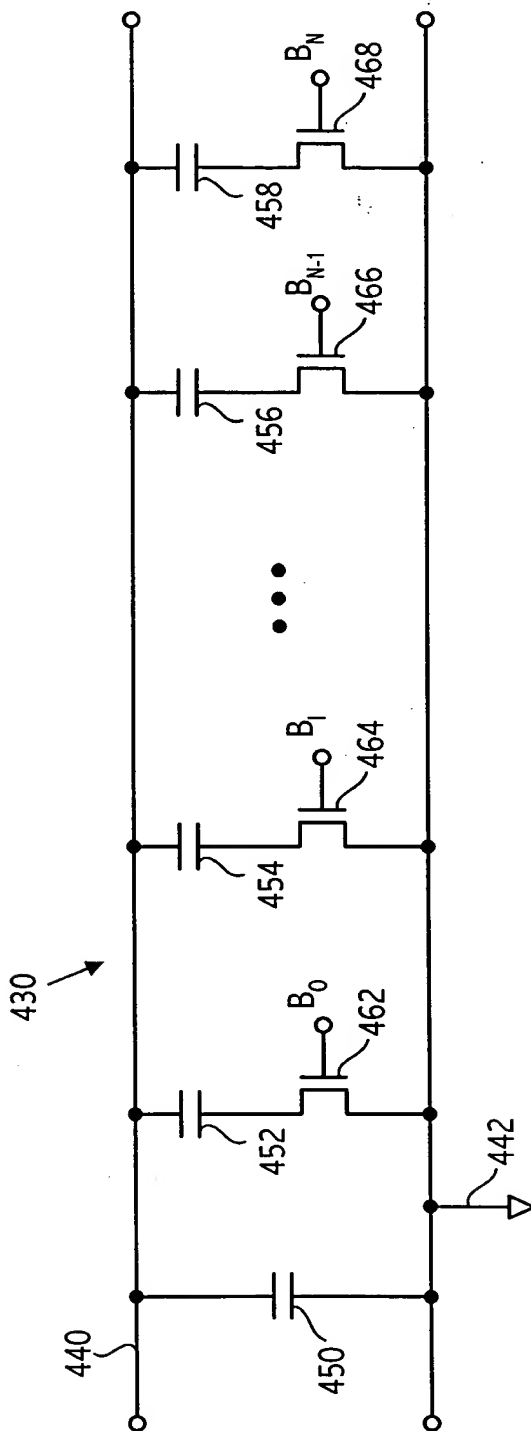


FIG. 4B

FIG. 4B

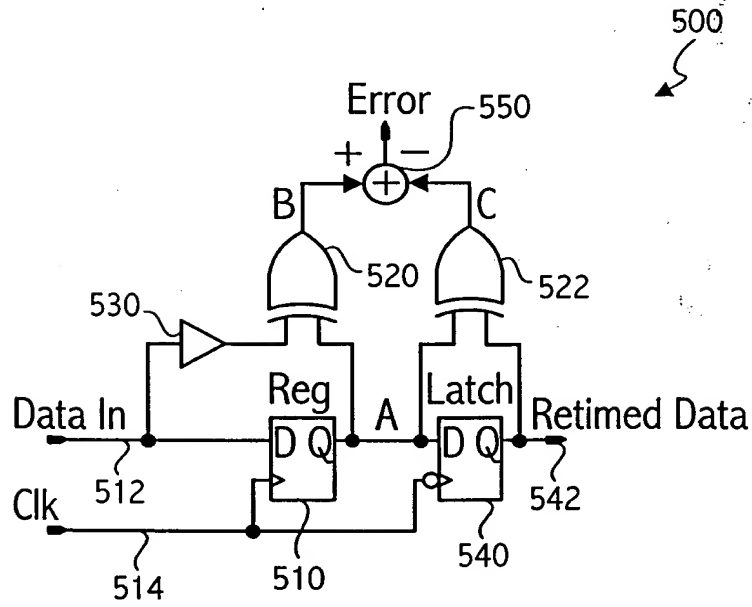


FIG. 5

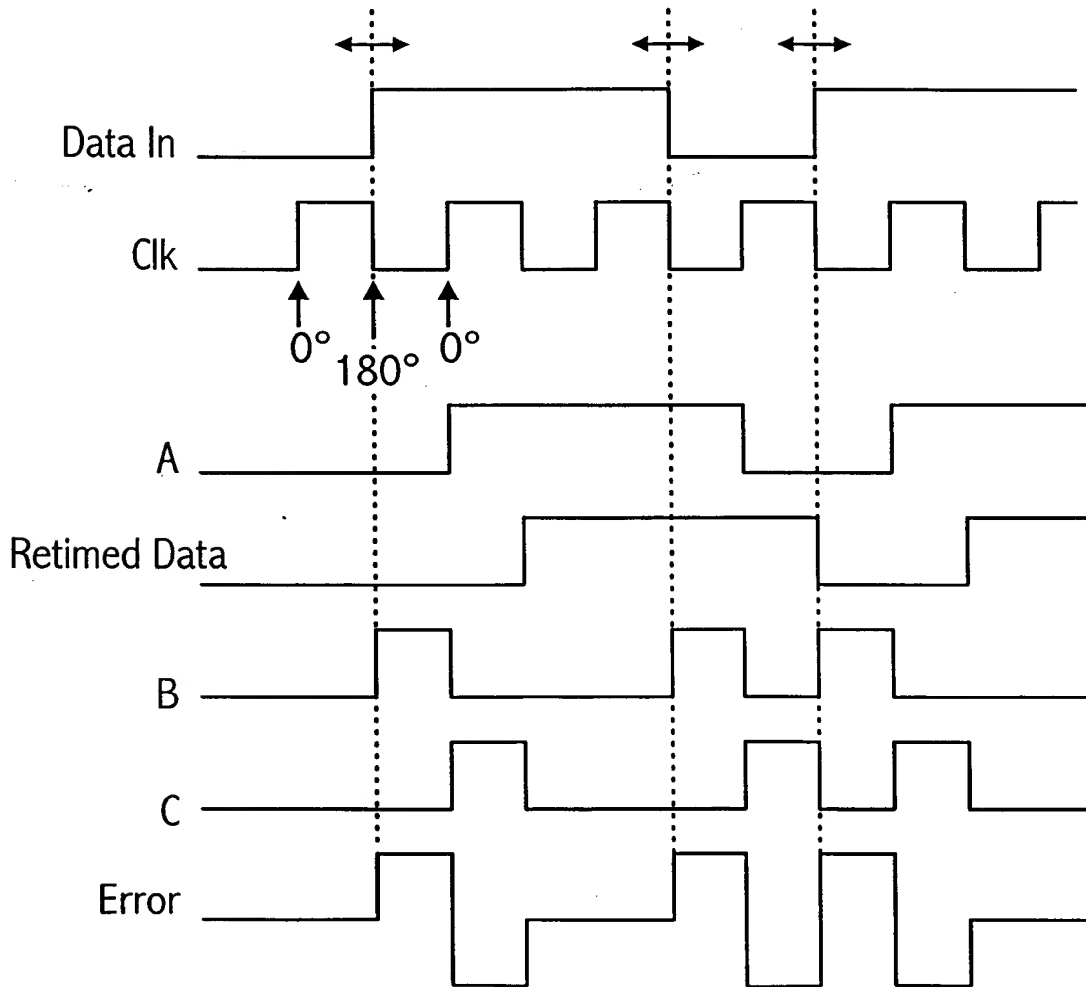


FIG. 6

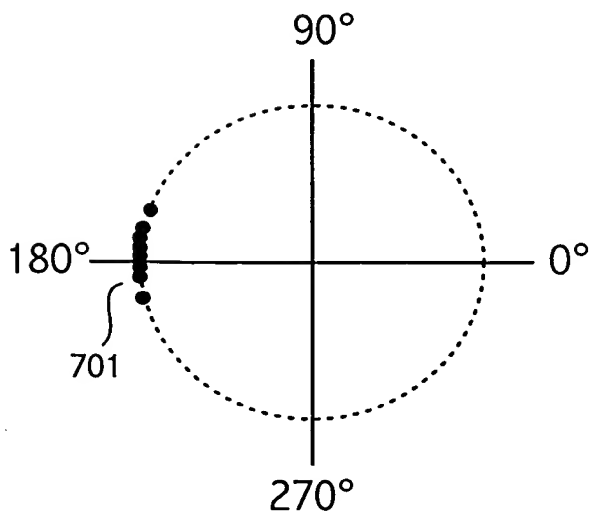


FIG. 7

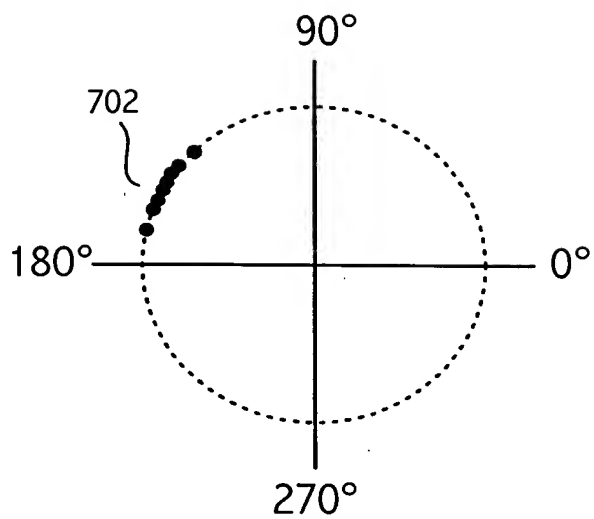


FIG. 8

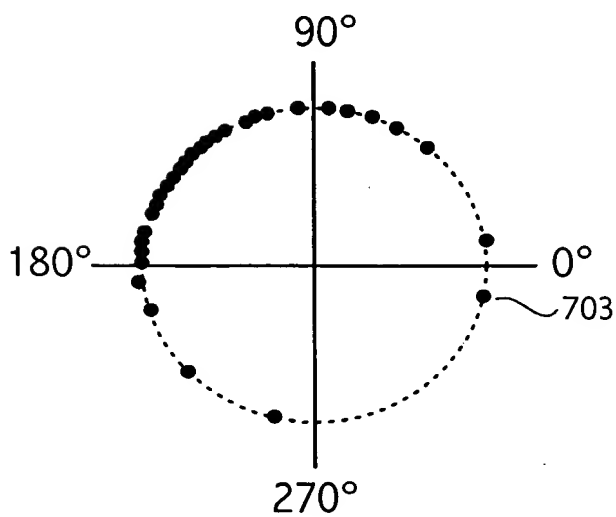


FIG. 9

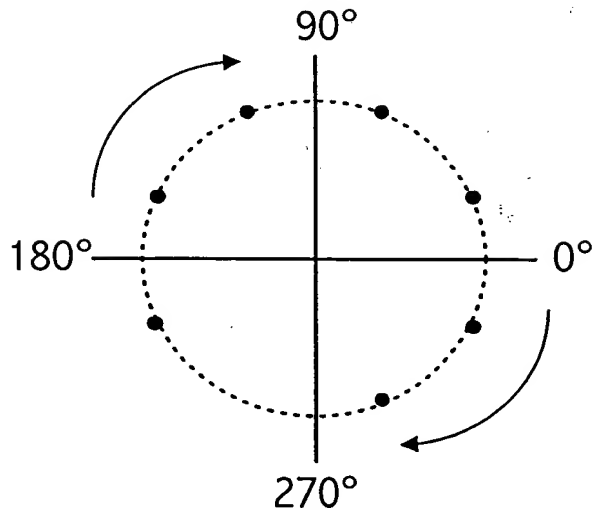


FIG. 10

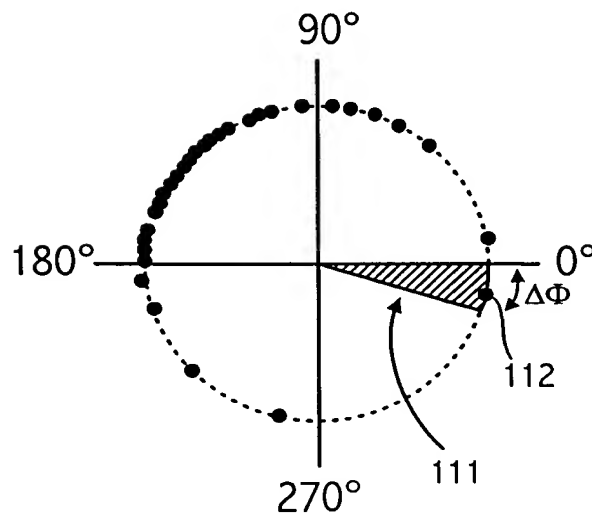
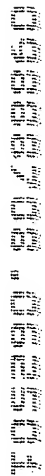


FIG. 11



1. *Chlorophyll a* and *Chlorophyll b* were determined using a spectrophotometer (Shimadzu UV-1601) at 663 nm and 646 nm, respectively. The concentration of chlorophyll was calculated using the following formula: $\text{Chlorophyll } a = 12.7 \times \text{OD}_{663} - 2.13 \times \text{OD}_{646}$ and $\text{Chlorophyll } b = 21.6 \times \text{OD}_{646} - 5.1 \times \text{OD}_{663}$, where OD is the optical density.

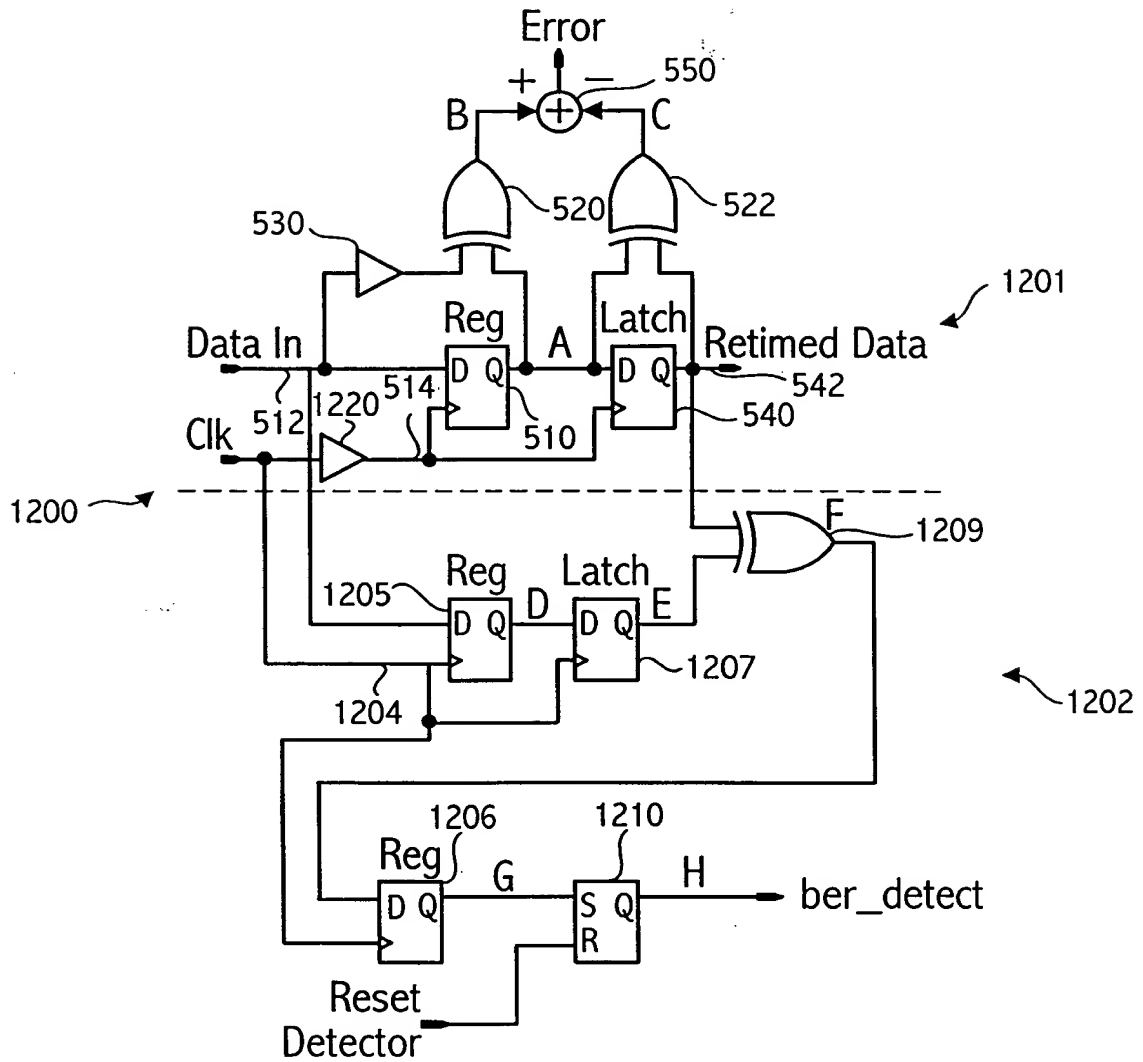


FIG. 12B

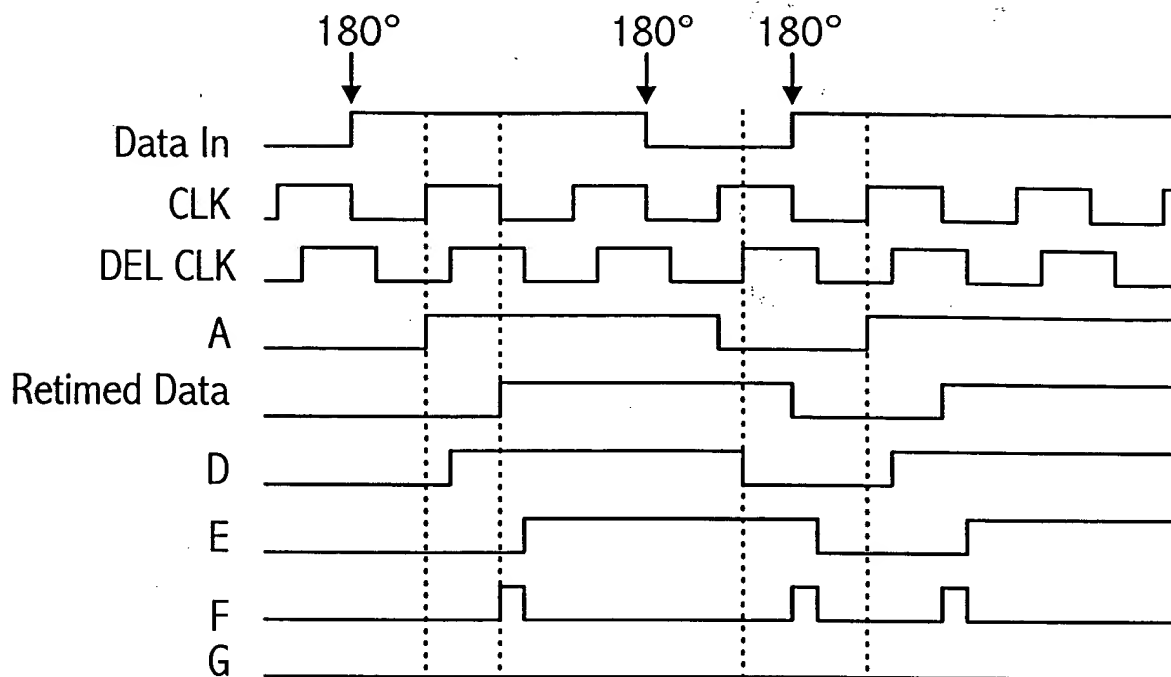


FIG. 13A

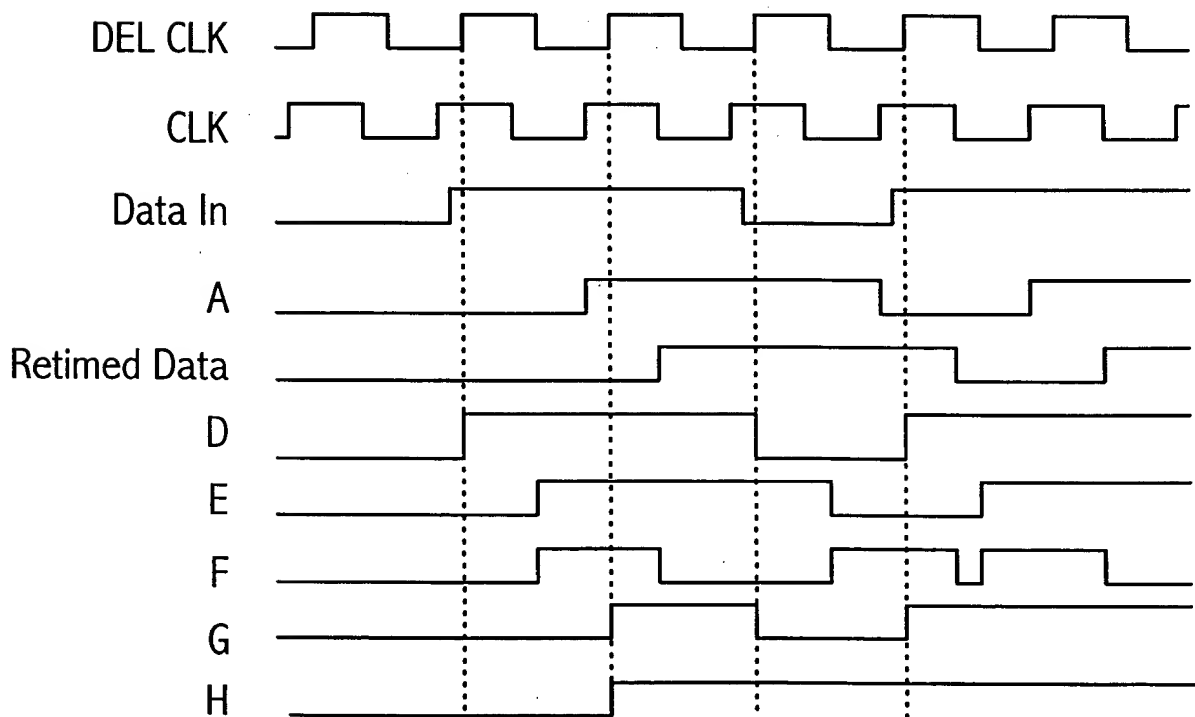


FIG. 13B

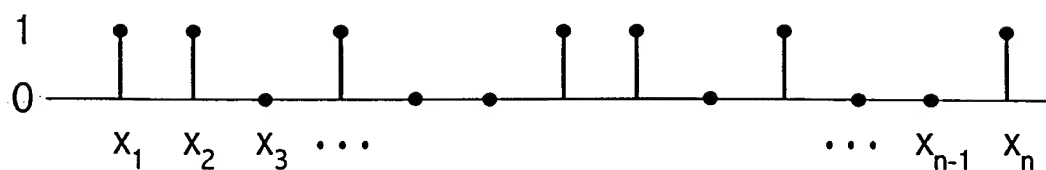


FIG. 14

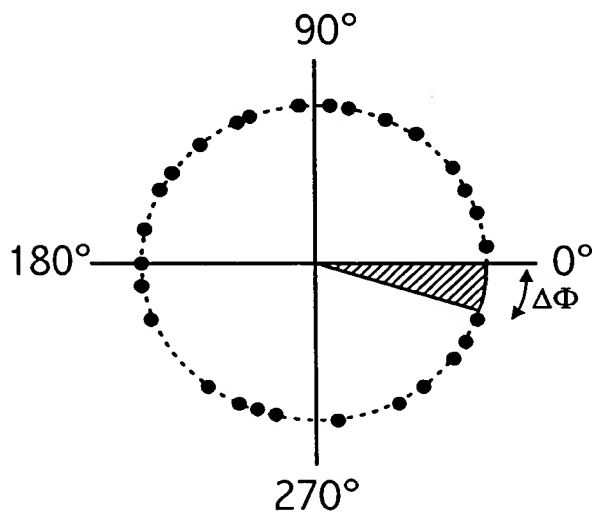


FIG. 15

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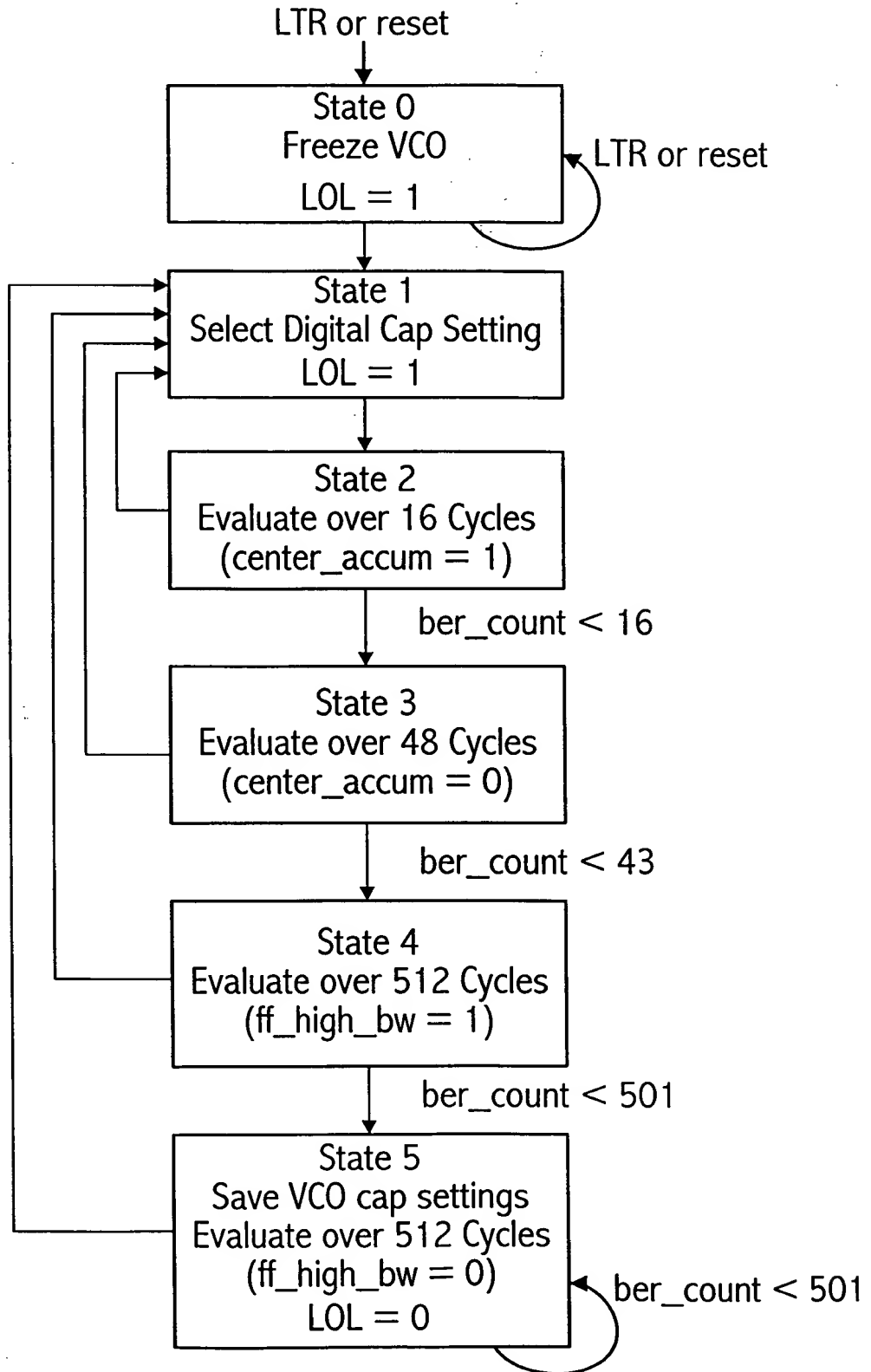


FIG. 16

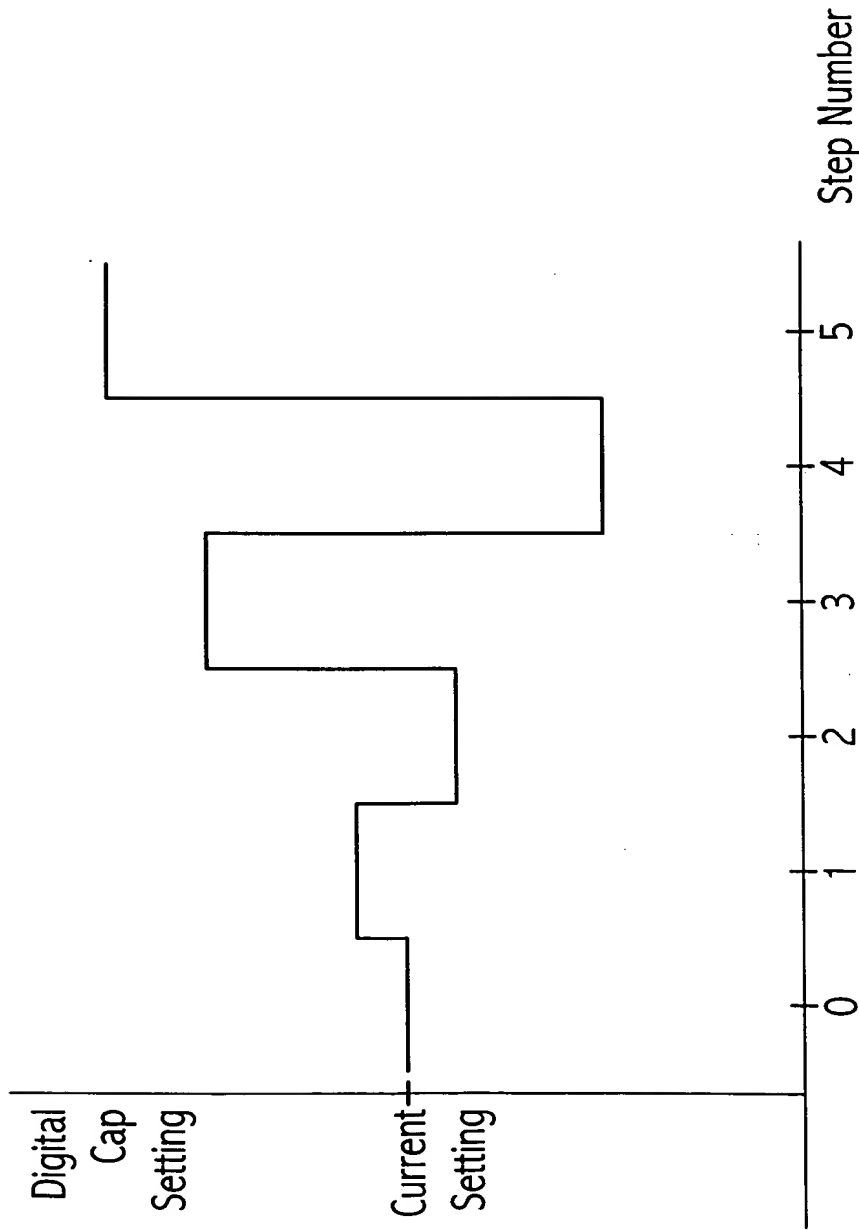


FIG. 17



FIG. 18

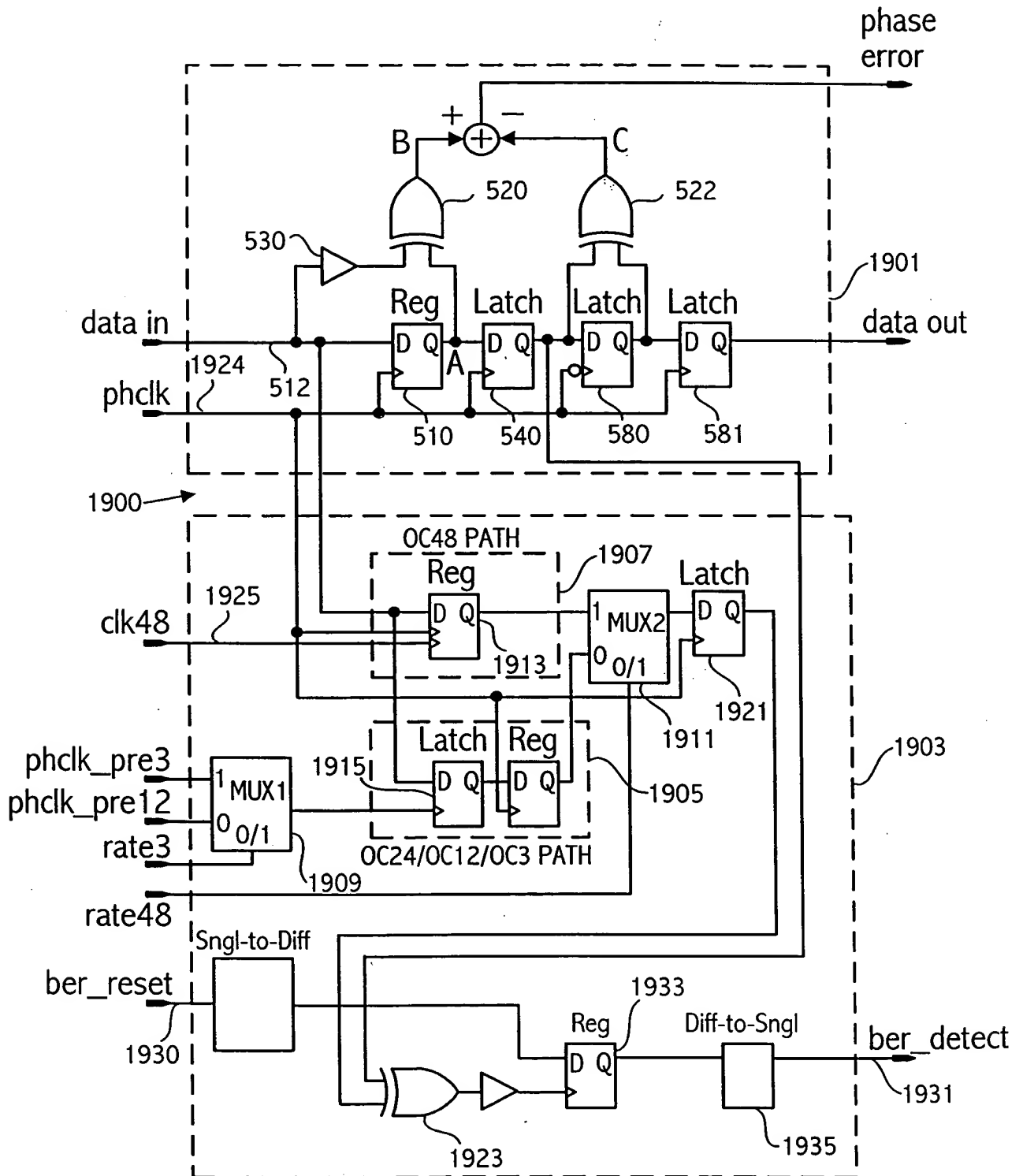


FIG. 19

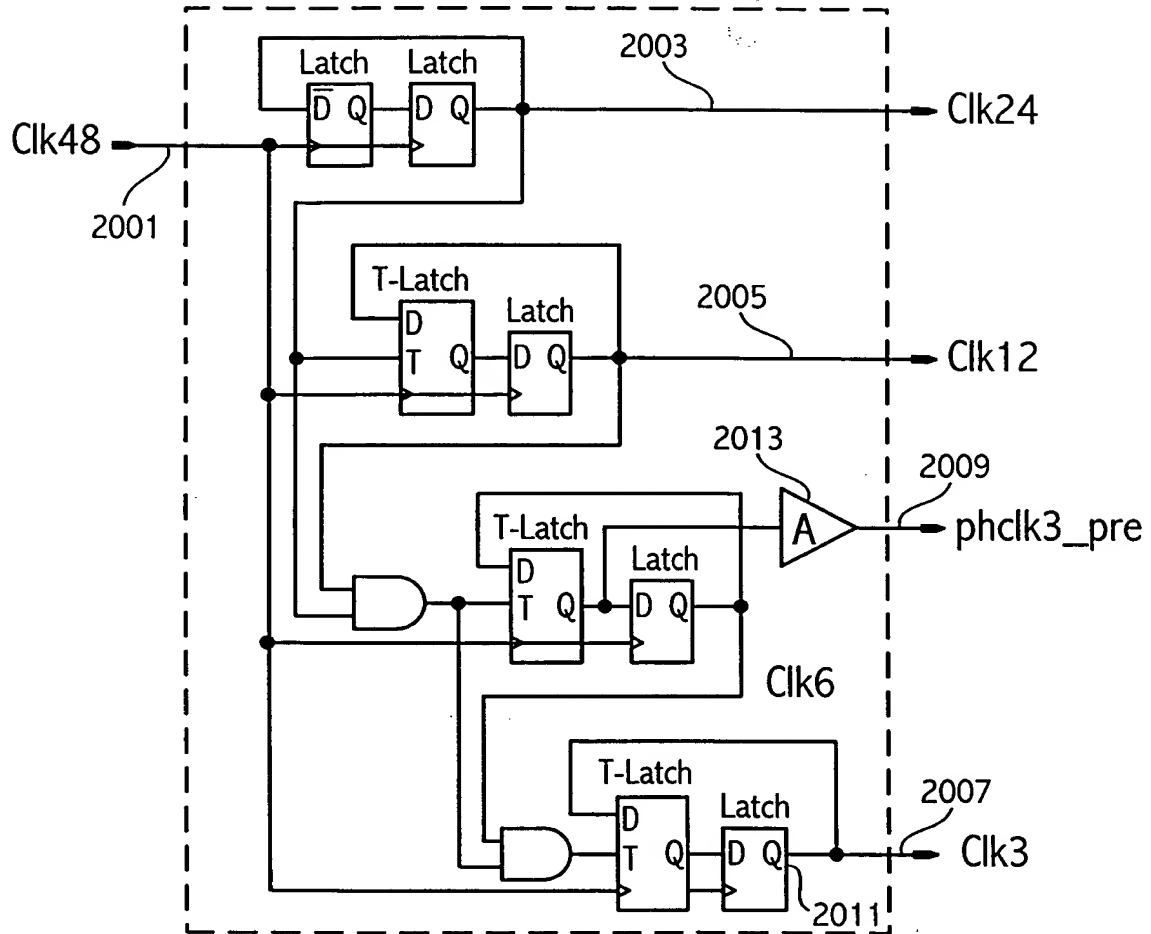


FIG. 20

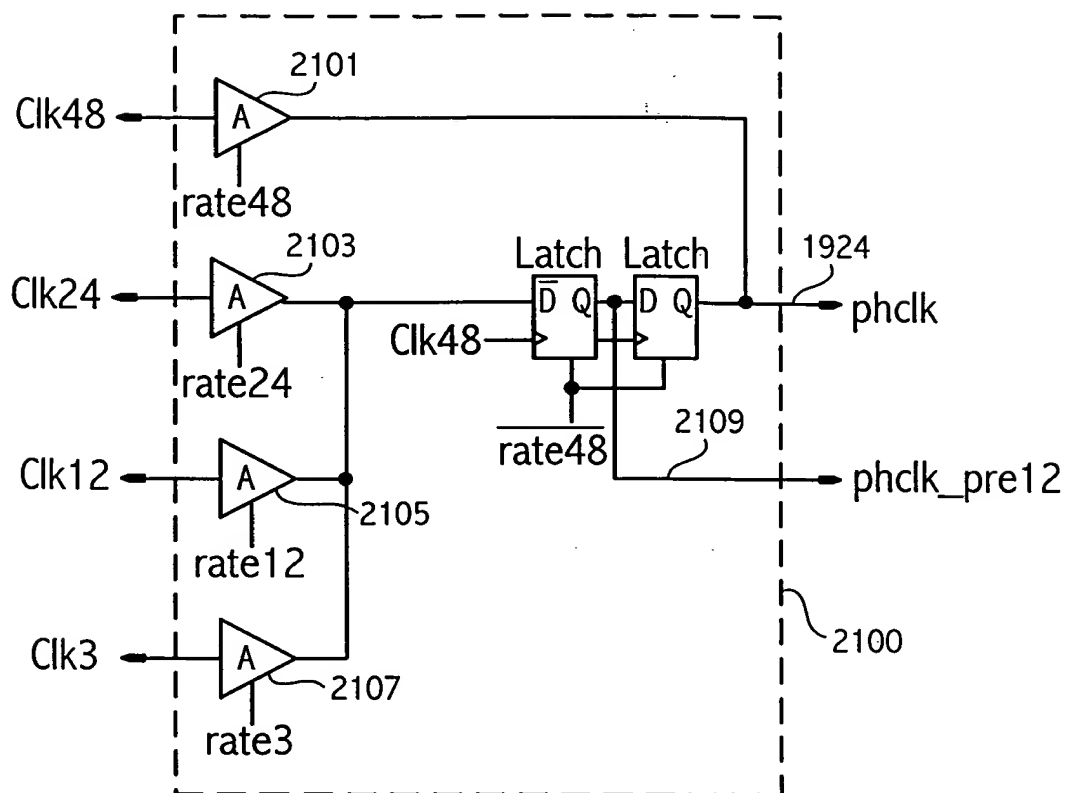


FIG. 21

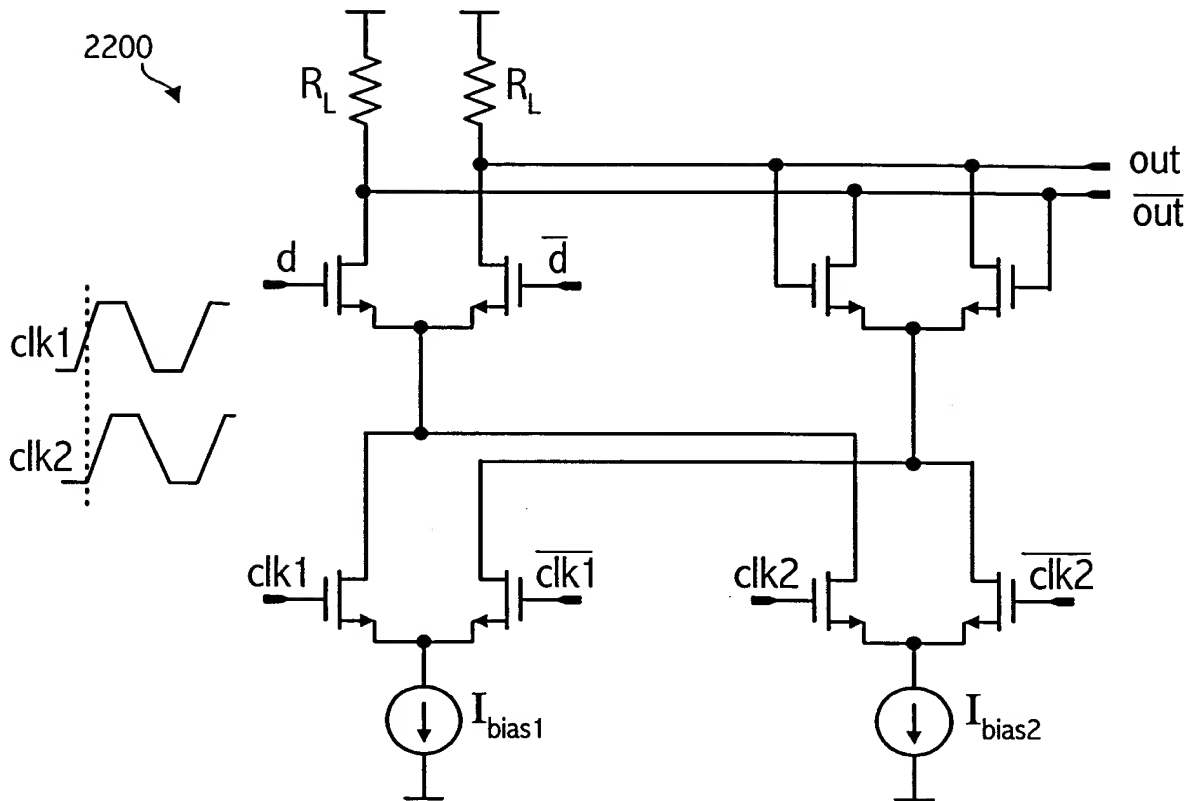


FIG. 22

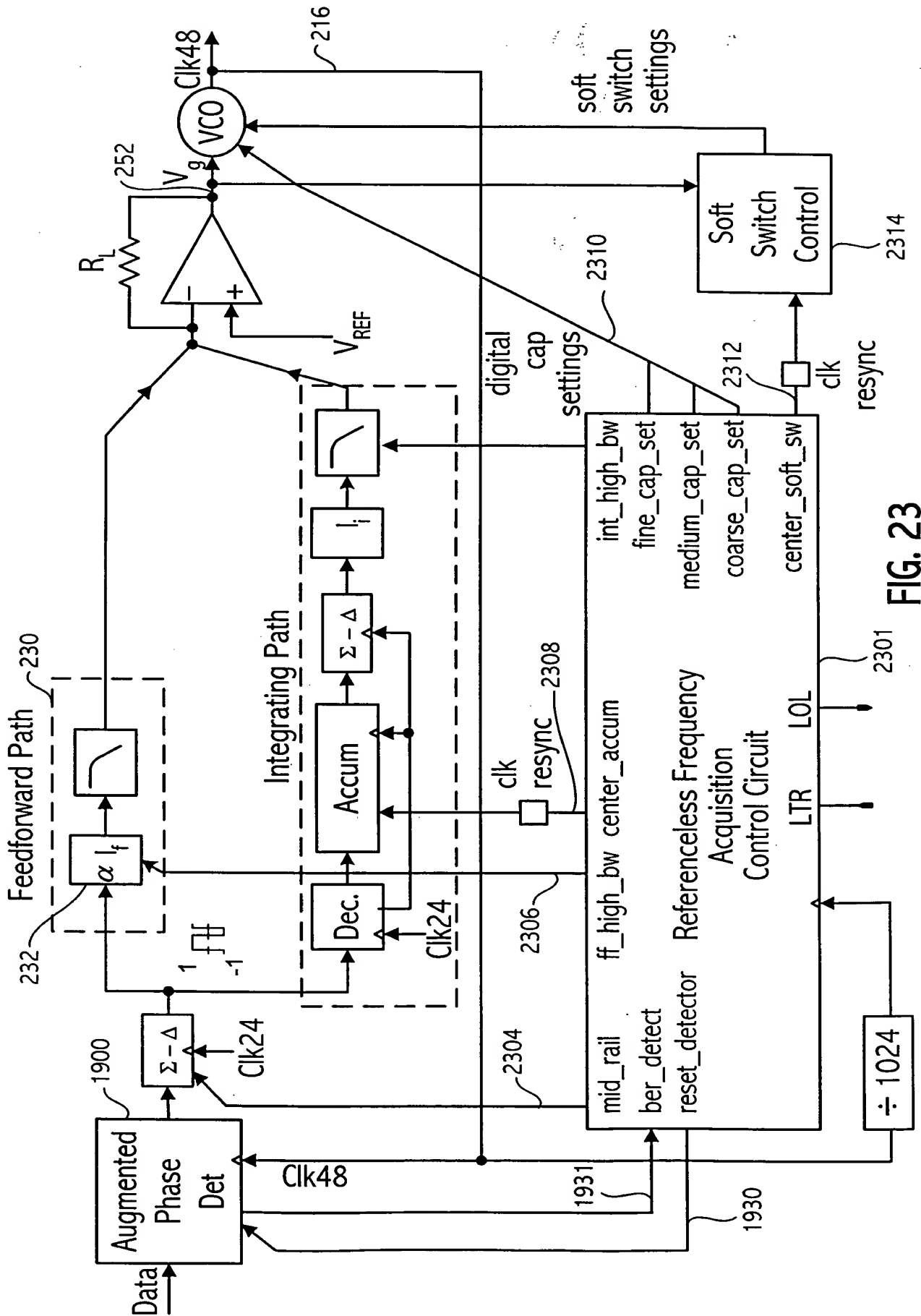


FIG. 23

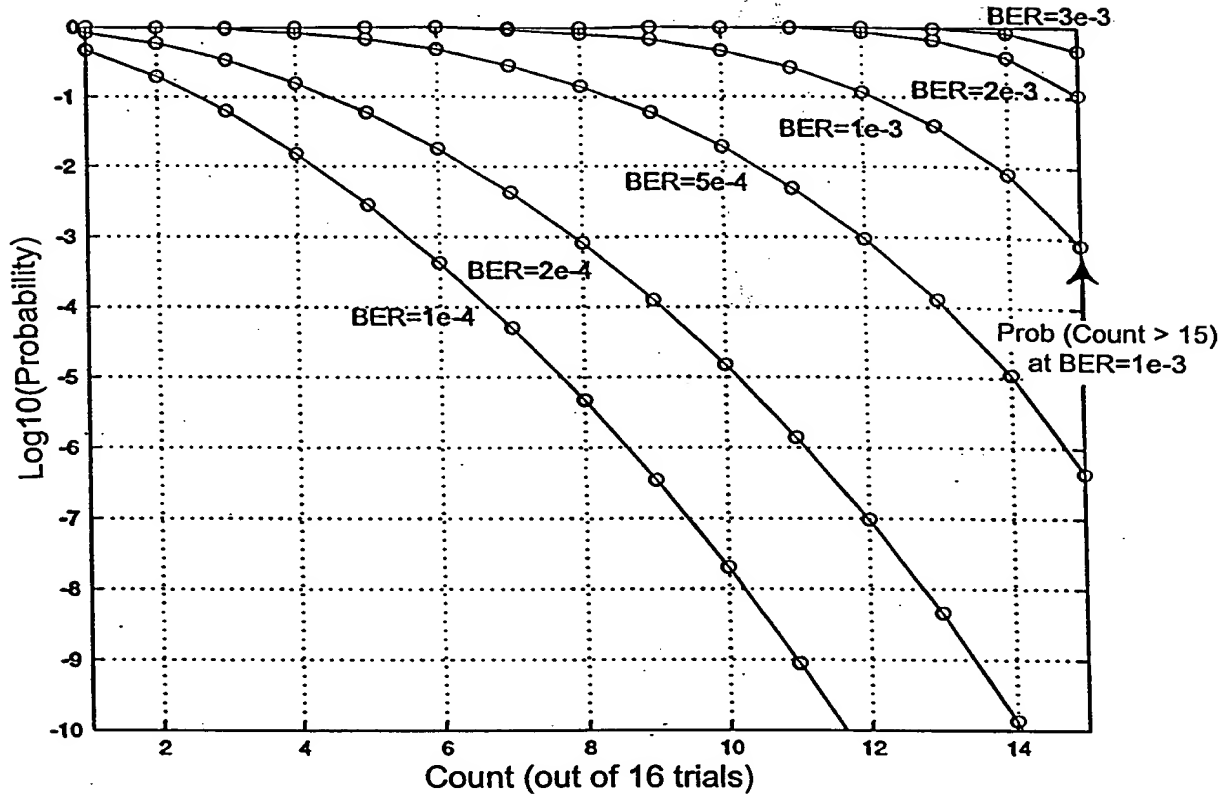


FIG. 24A

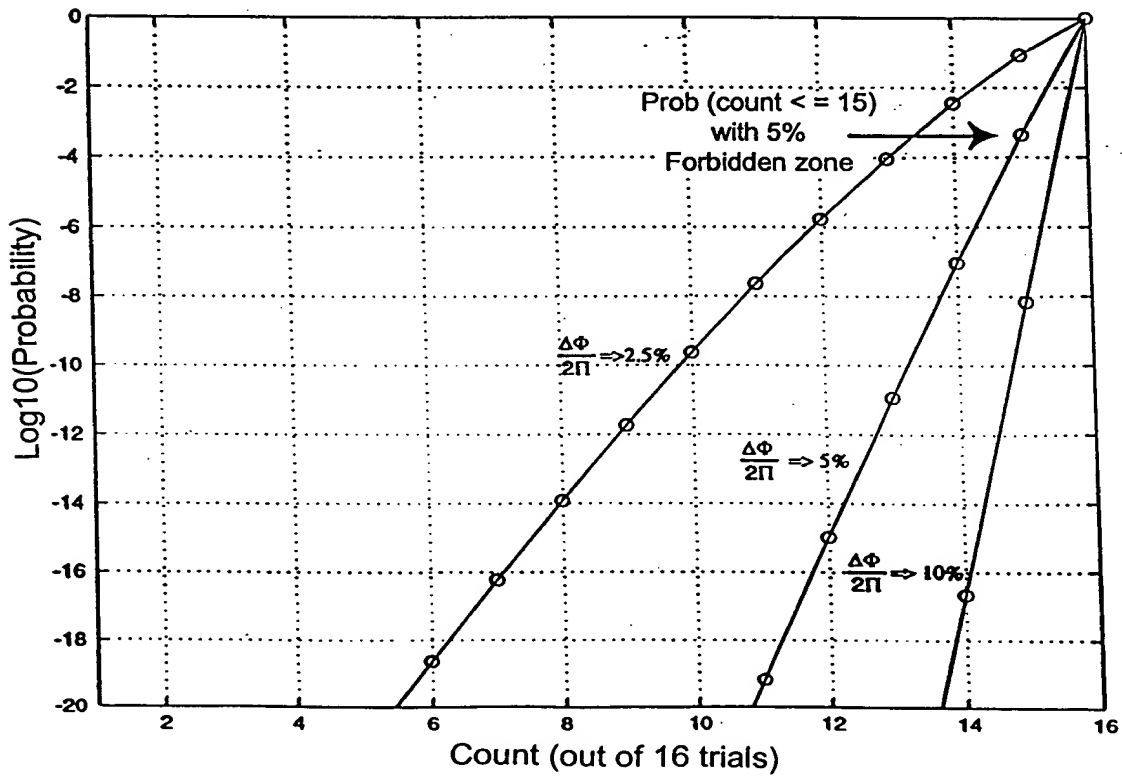


FIG. 24B

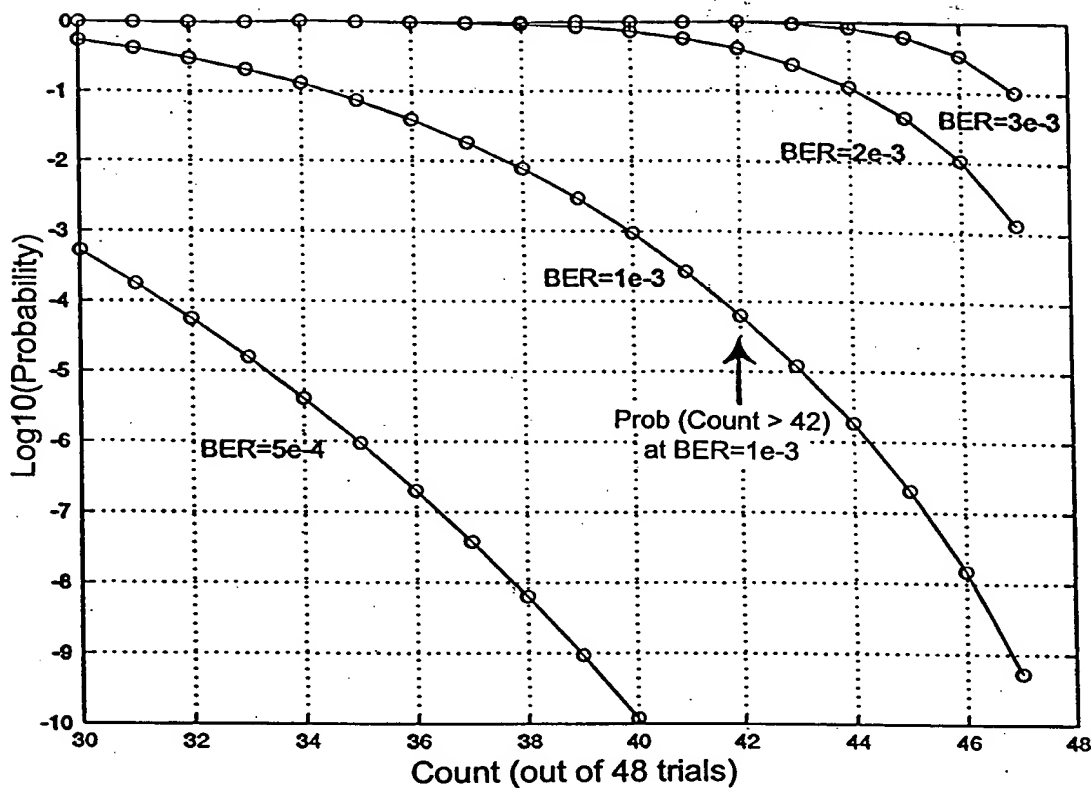


FIG. 25A

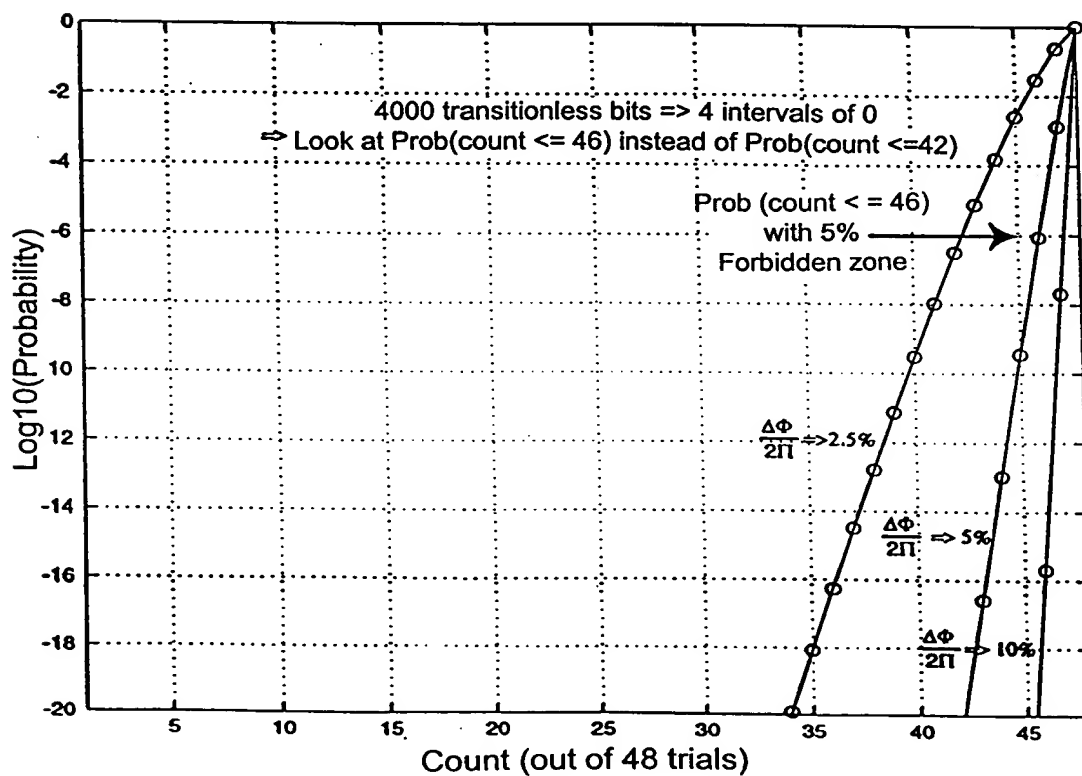


FIG. 25B

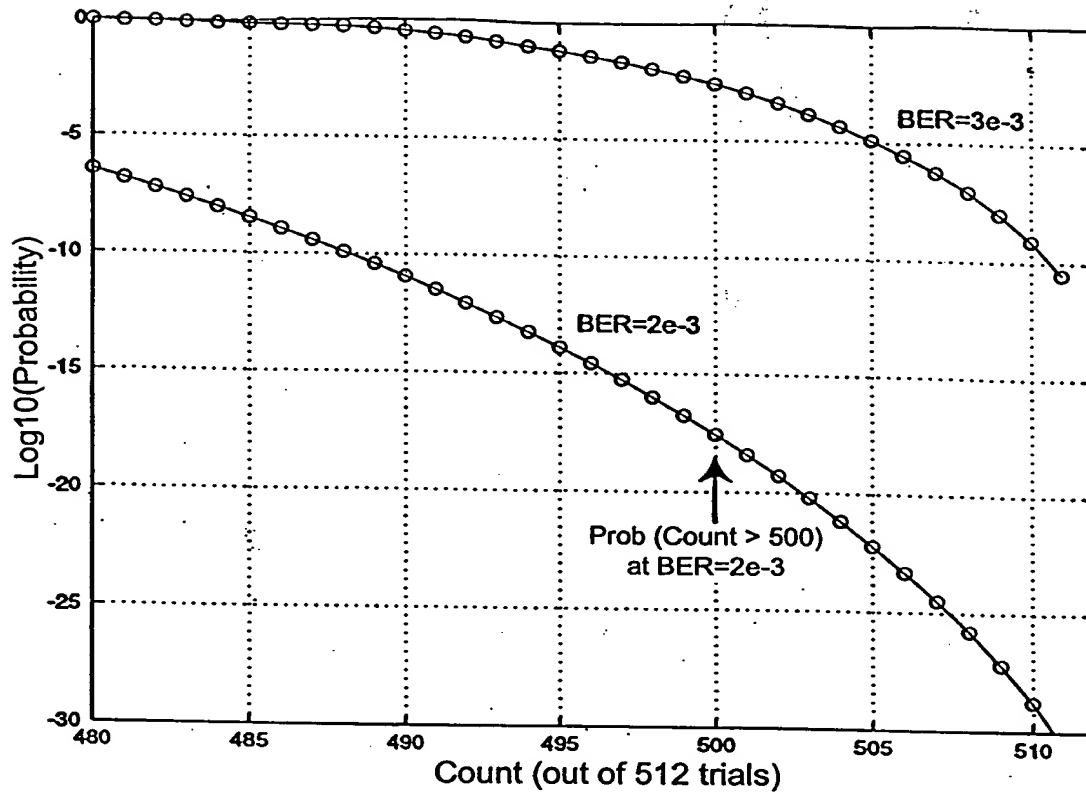


FIG. 26A

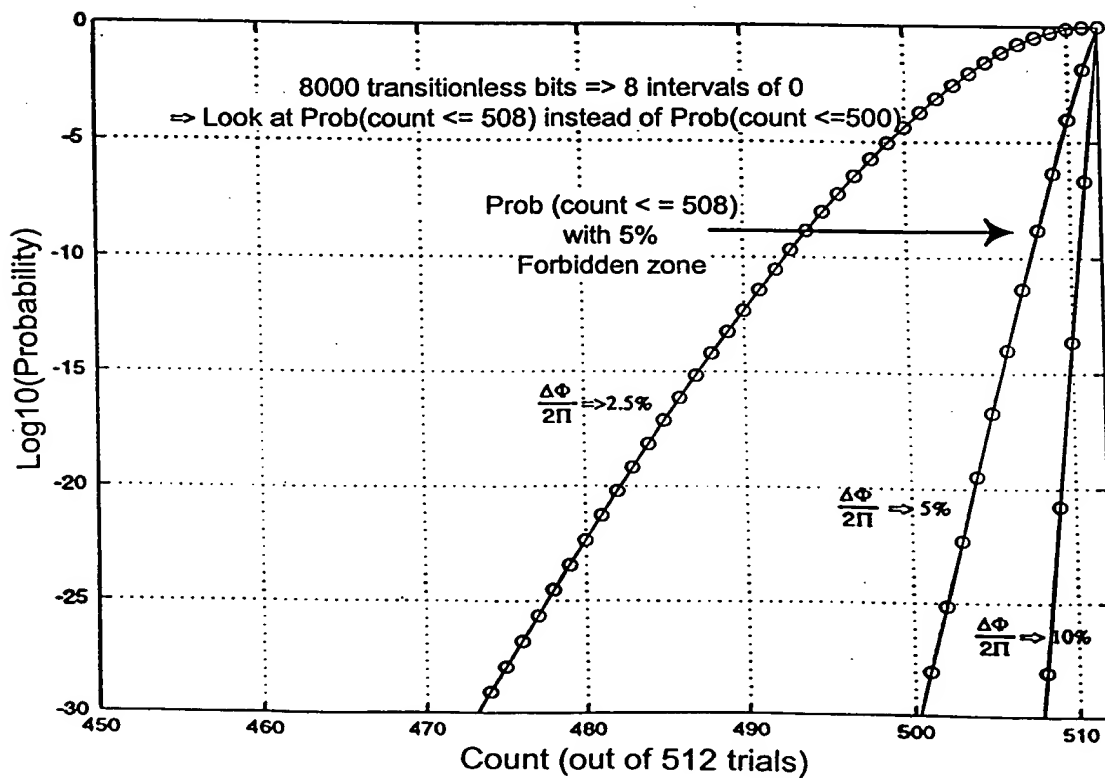


FIG. 26B

BER Counter	Digital Value
> 470	31
400-469	30
335-399	29
280-334	28
230-279	27
180-229	26
135-179	25
95-134	24
64-94	23
46-63	22
33-45	21
22-32	20
16-21	19
11-15	18
7-10	17
5-6	16
4	15
3	14
2	13
1	Use SubBER

FIG. 27A

SubBER Counter	Digital Value
> 200	12
150-199	11
100-149	10
65-99	9
34-64	8
18-33	7
10-17	6
6-9	5
4-5	4
3	3
2	2
1	1

FIG. 27B

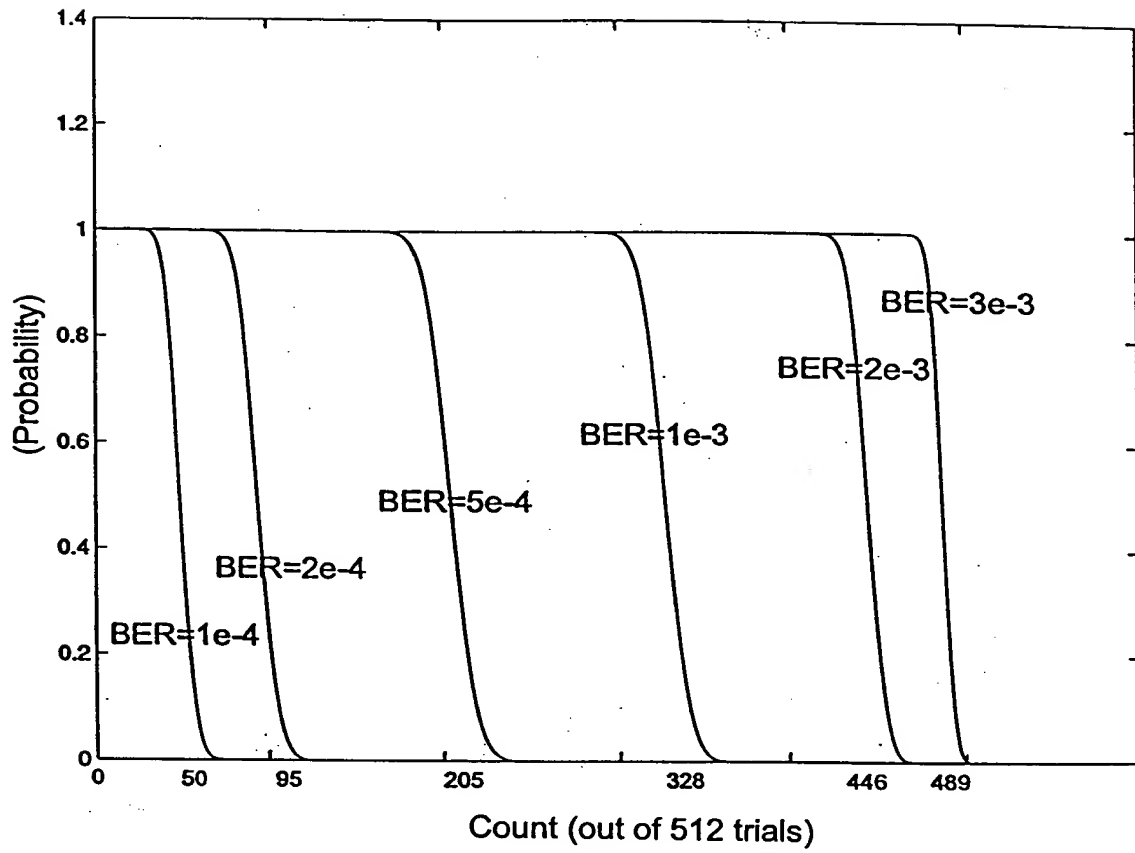


FIG. 28

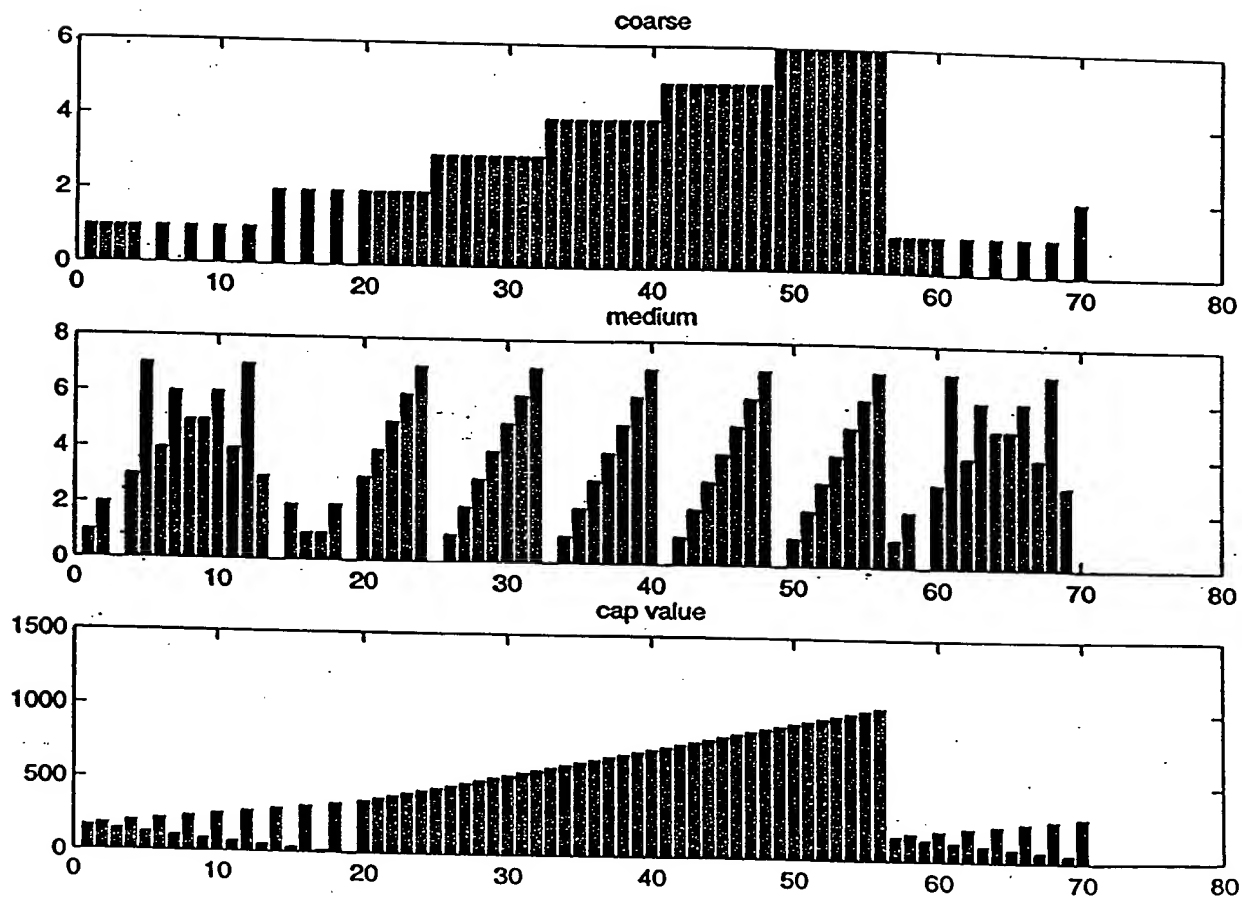


FIG. 29

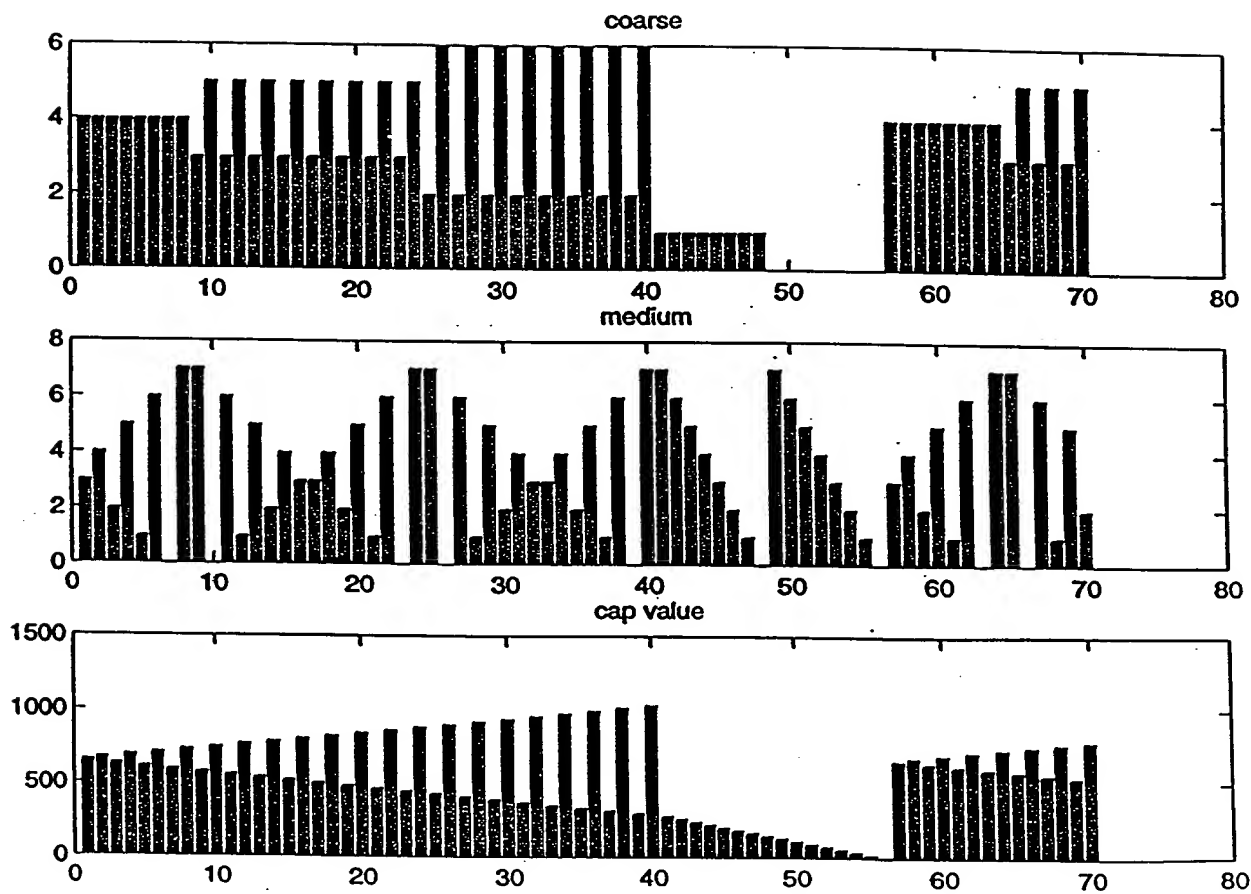


FIG. 30

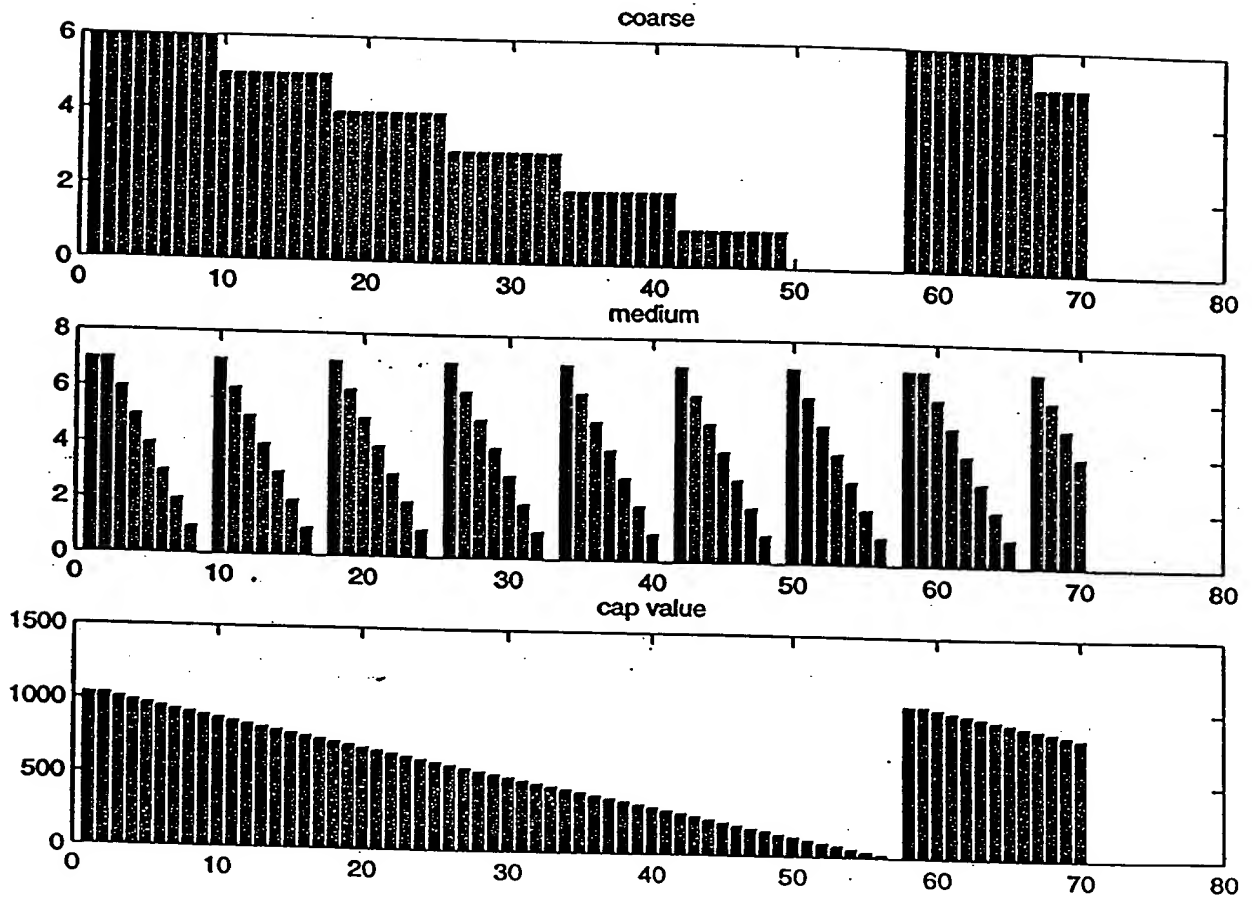


FIG. 31

- Jitter: 0 UI
- Transition density: 1/2

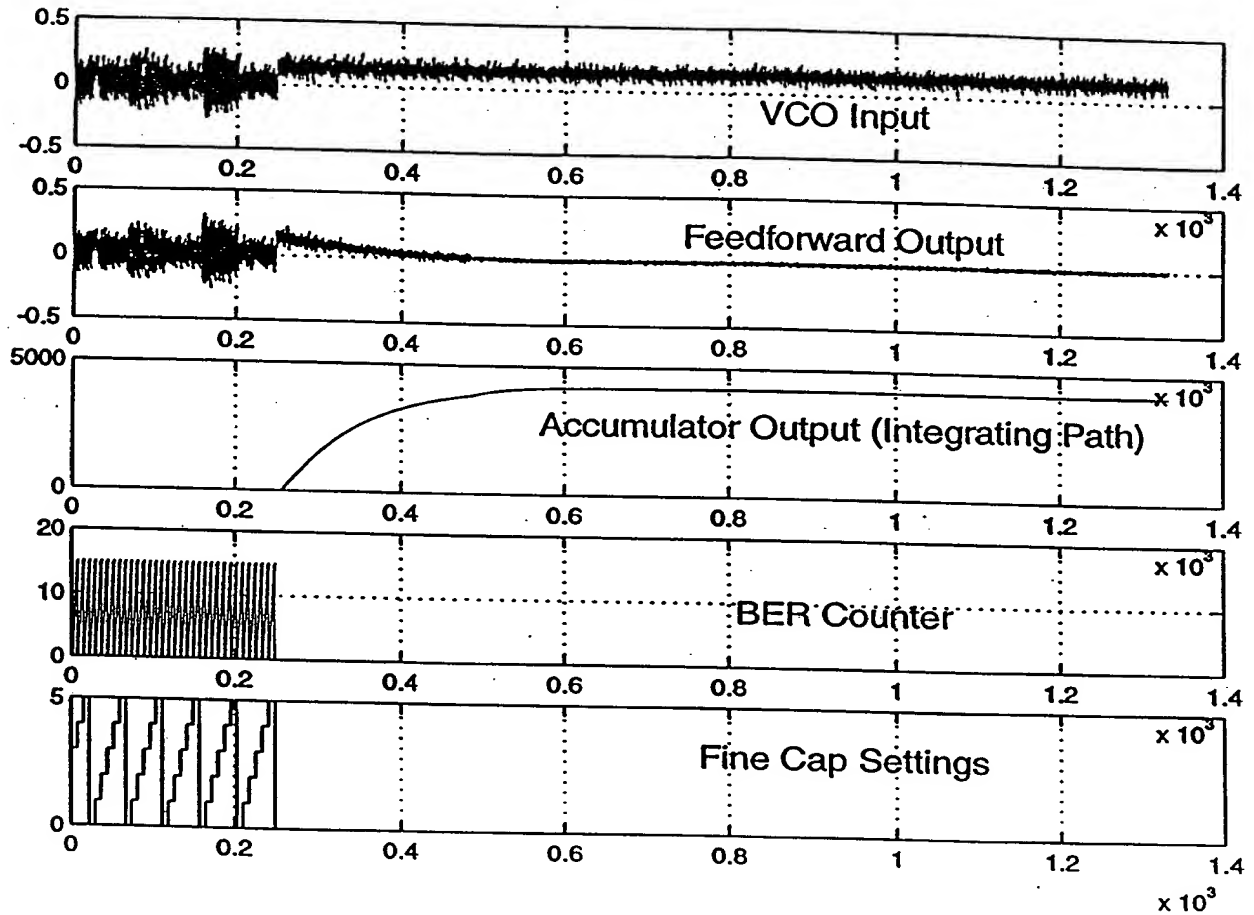


FIG. 32

- Jitter: 5 UI, 100 kHz
- Transition density: 1/2

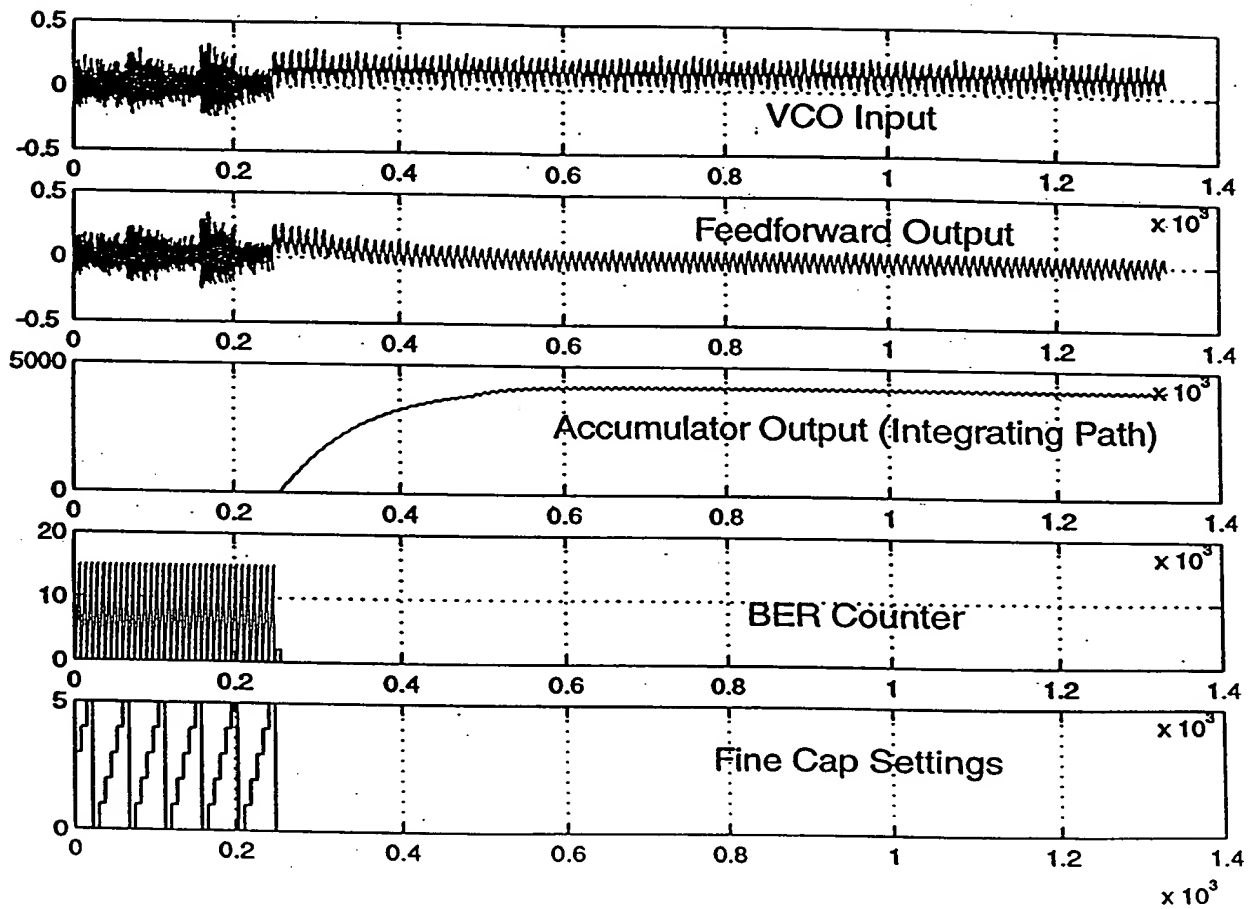


FIG. 33

- Jitter: .5 UI, 5 MHz
- Transition density: 1/2

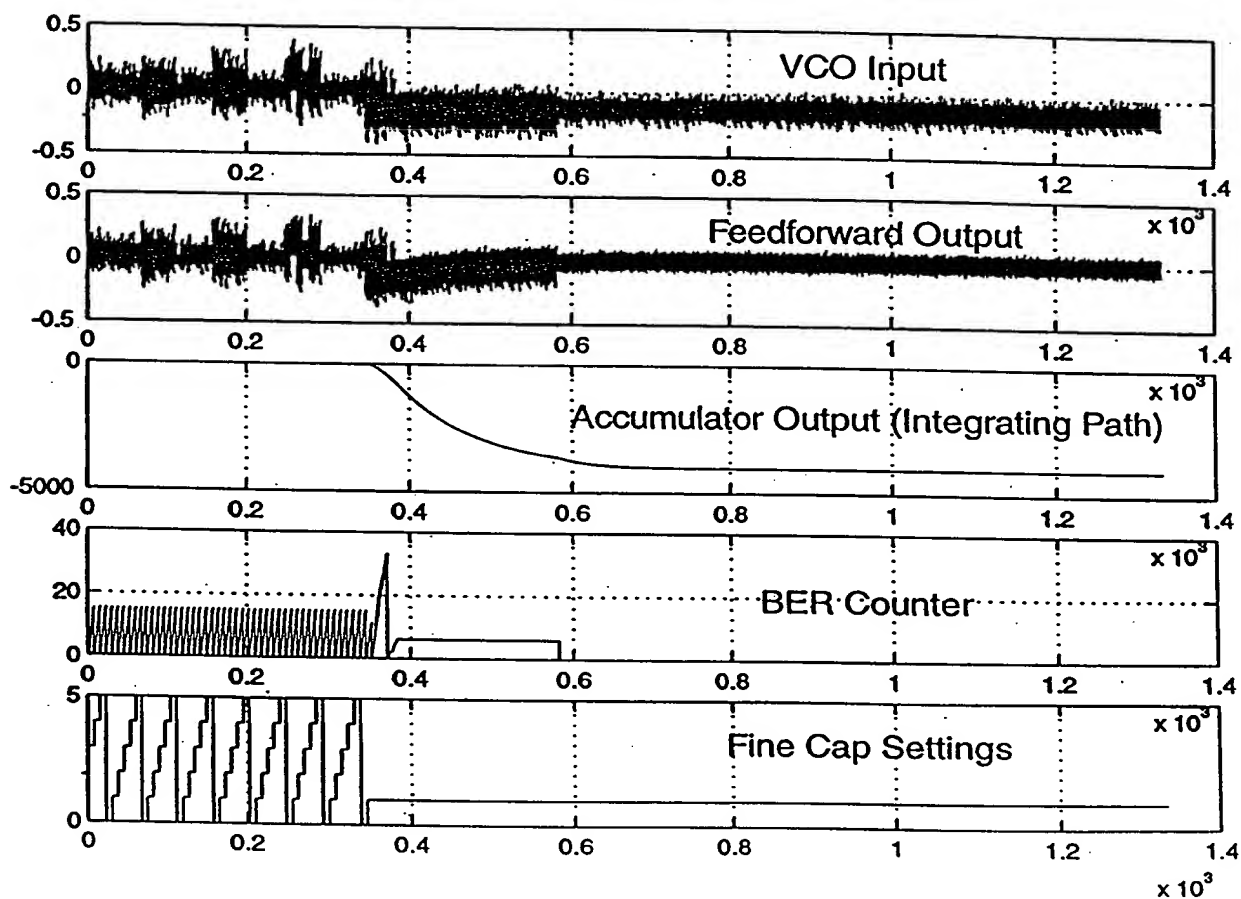


FIG. 34

- THE**



- Jitter: 5 UI, 100 kHz
- Transition density: 1/6

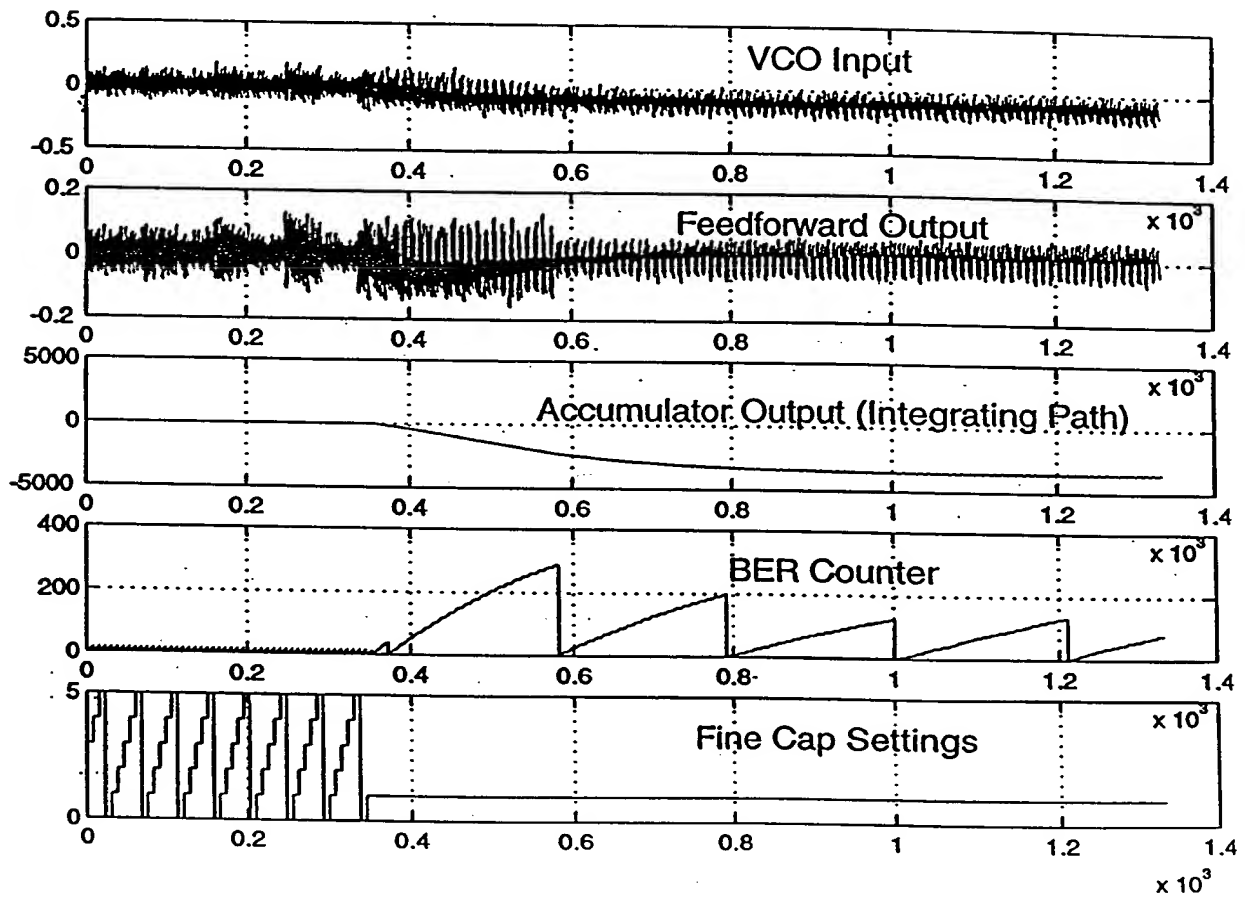


FIG. 36

- Jitter: .5 UI, 5 MHz
- Transition density: 1/6

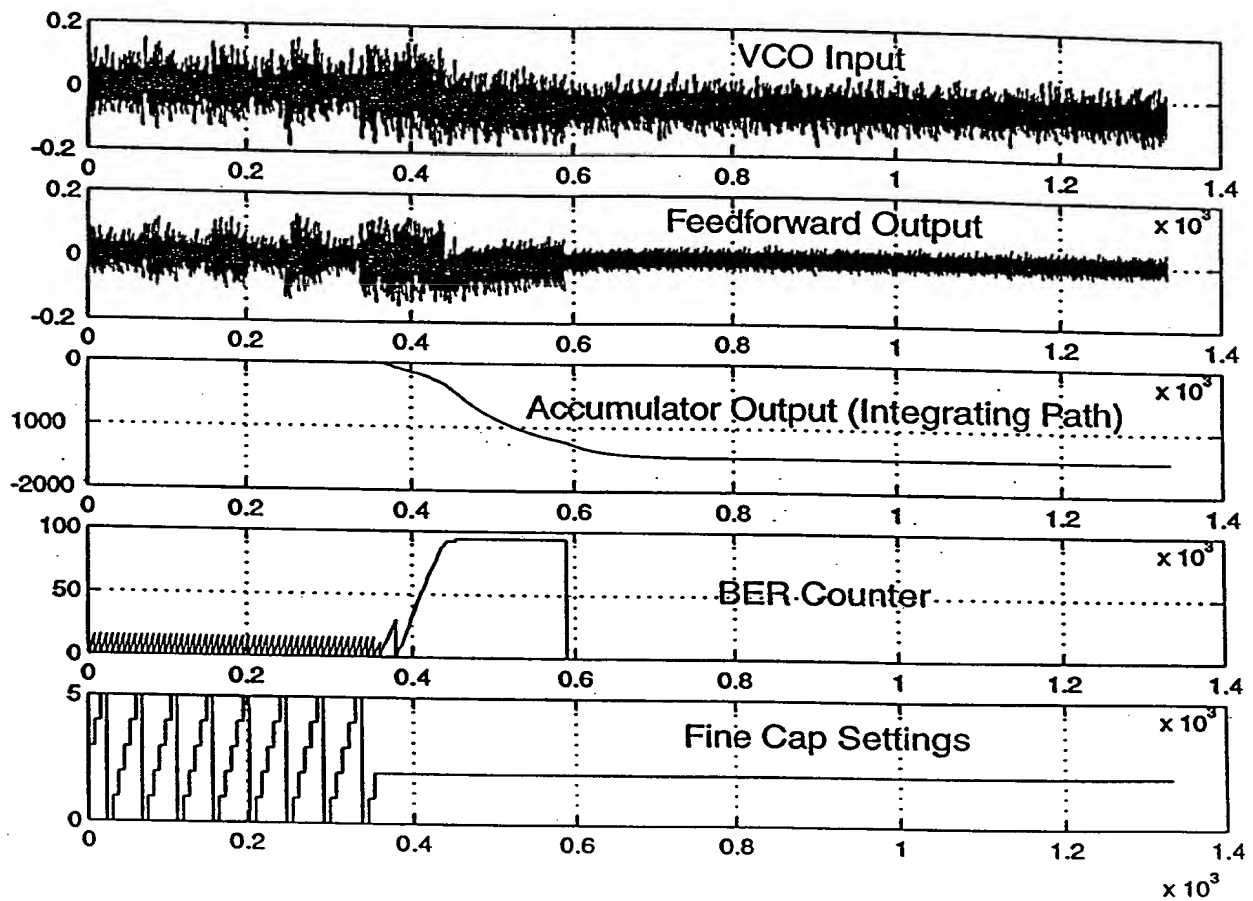


FIG. 37

- Jitter: 0 UI
- Transition density: 1

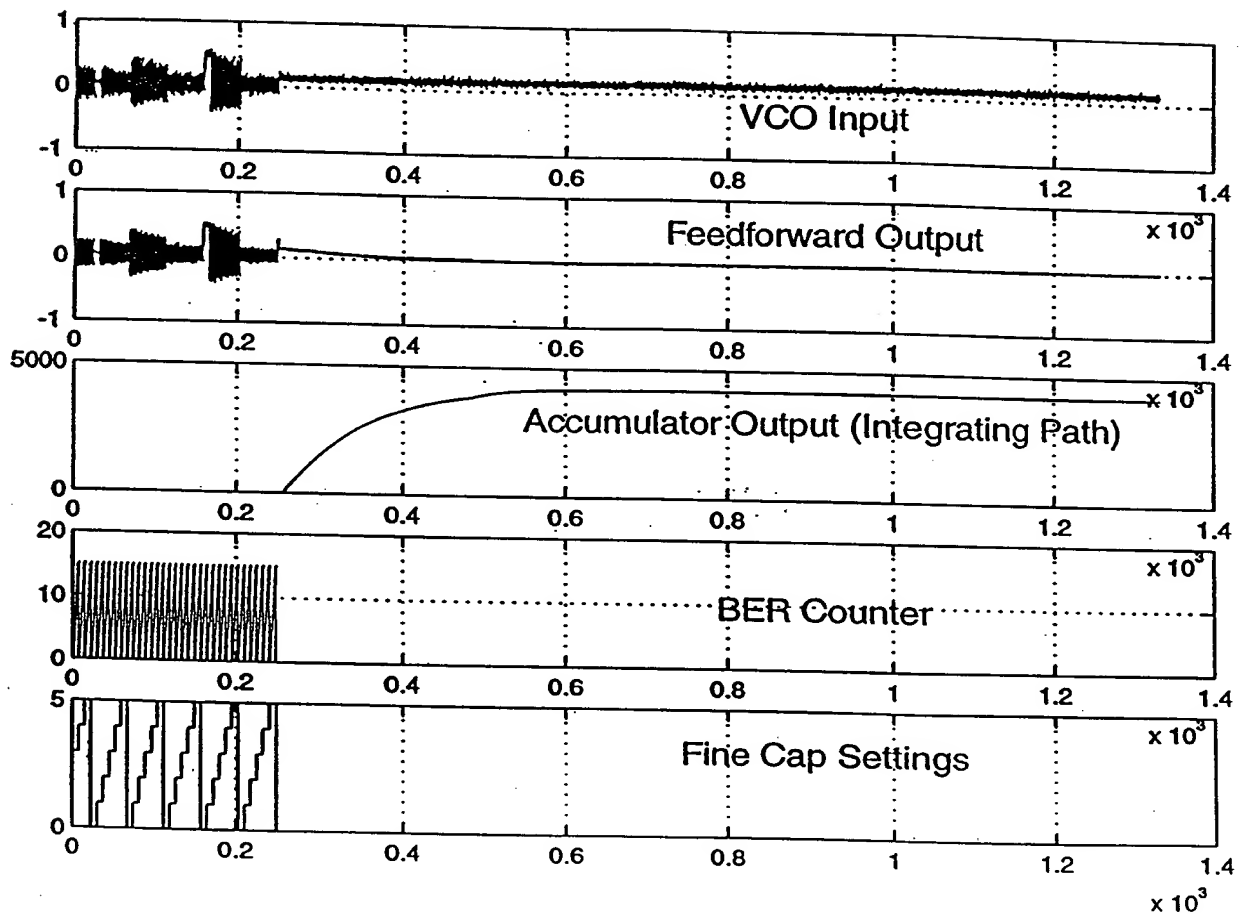


FIG. 38

- Jitter: 5 UI, 100 kHz
- Transition density: 1

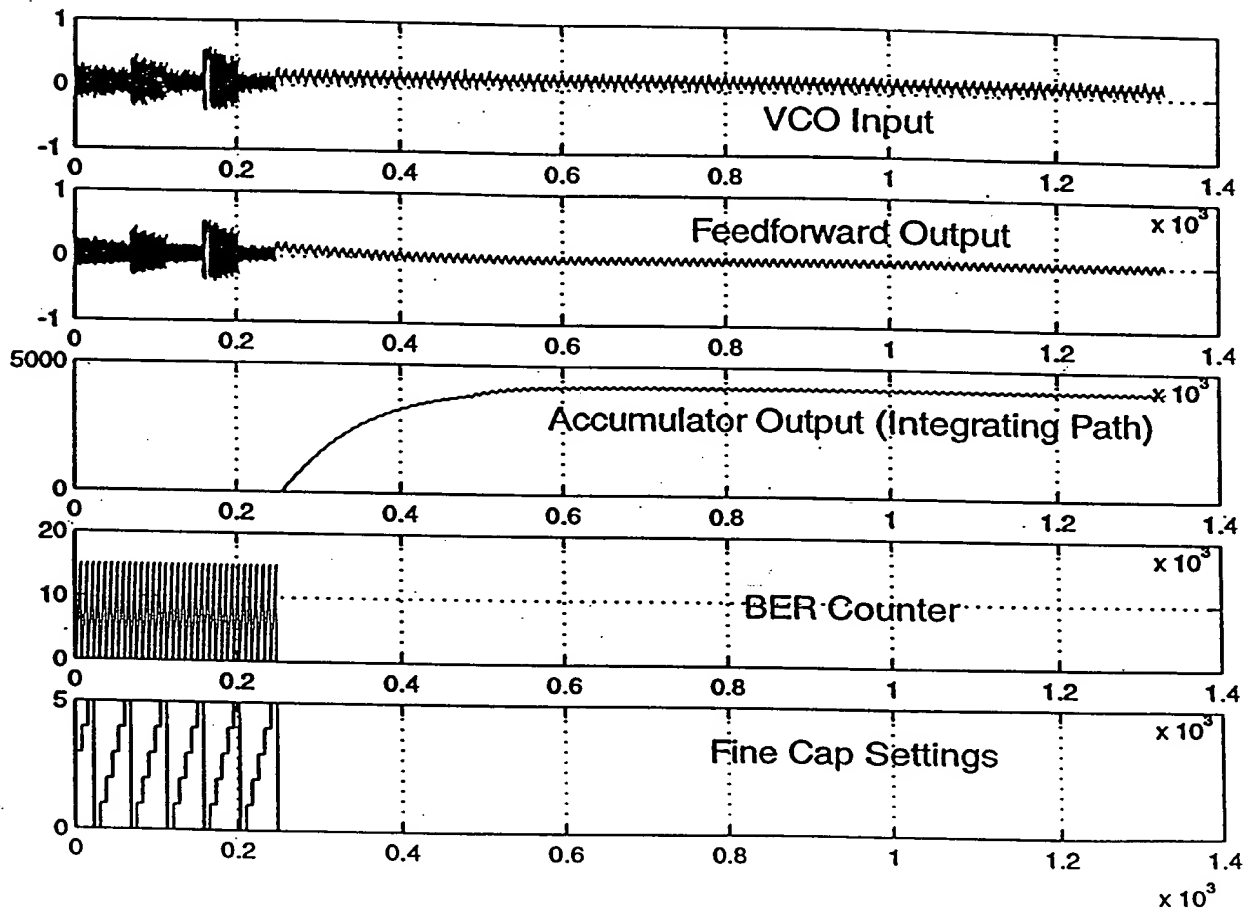


FIG. 39

- Jitter: .5 UI, 5 MHz
- Transition density: 1

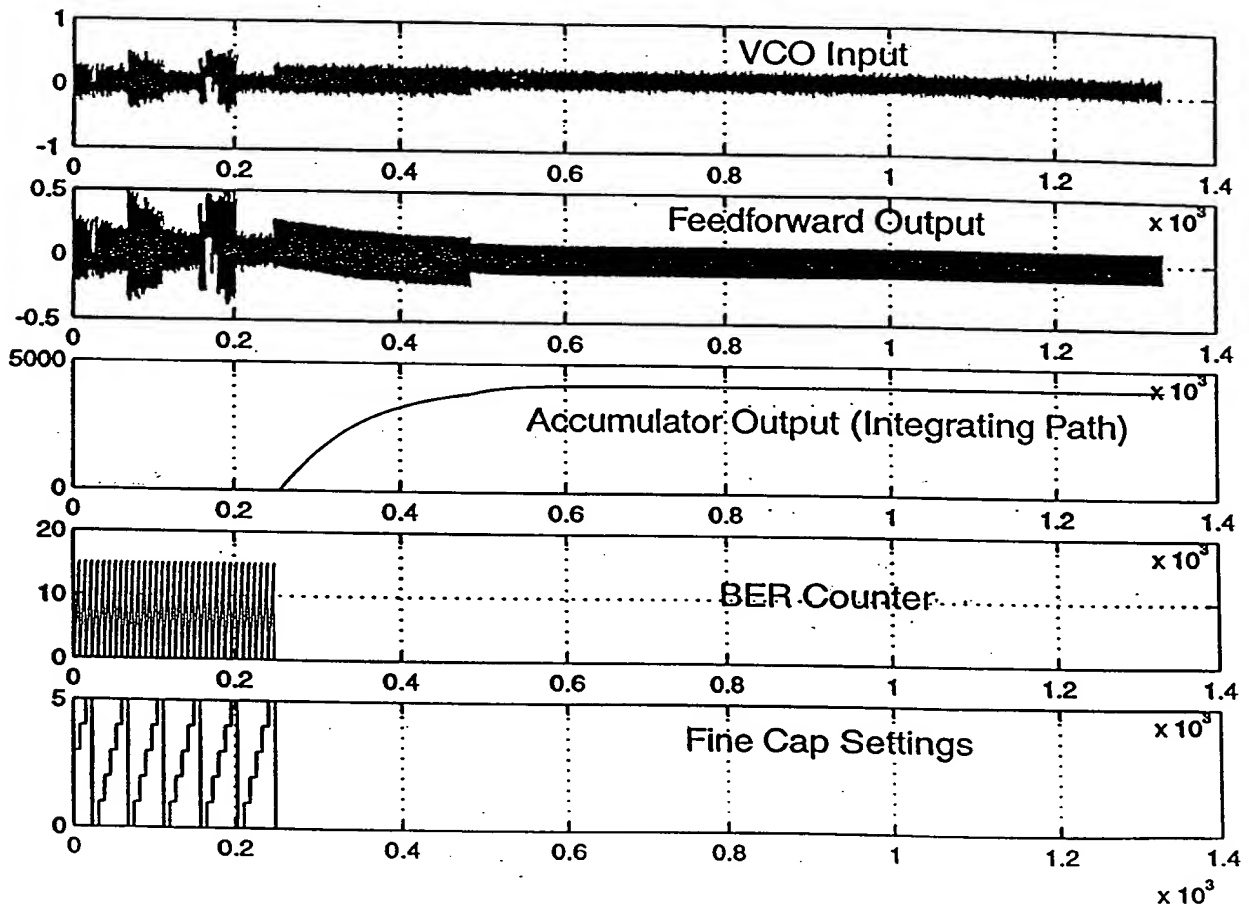


FIG. 40

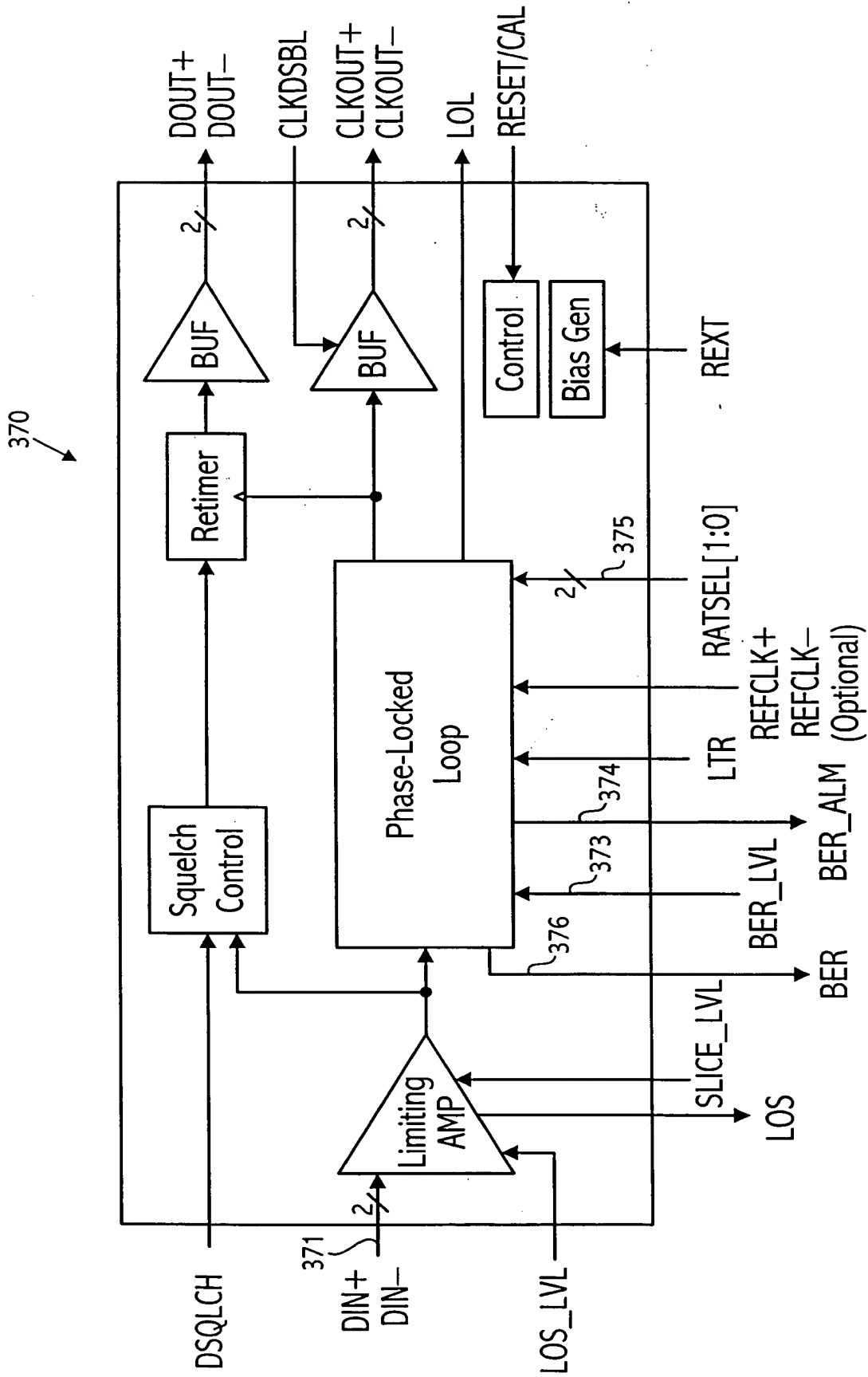


FIG. 41